

```
[
{
  "examination_notice": "11 /2024.CDS- II",
  "date": "15.05.2024",
  "last_date_for_submission": "04.06.2024",
  "examination": {
    "name": "COMBINED DEFENCE SERVICES EXAMINATION (II), 2024",
    "details": "[INCLUDING SSC WOMEN (NON-TECHNICAL) COURSE]",
    "website": "http://upsc.gov.in"
  },
  "important": [
    {
      "title": "Candidates to ensure their eligibility for the examination",
      "details": "Candidates applying for the examination should ensure that they fulfil all the eligibility conditions for admission to the Examination. Their admission at all the stages of the examination will be purely provisional subject to satisfying the prescribed eligibility conditions. Verification of eligibility conditions with reference to original documents will be taken up only after the candidate has qualified for interview/Personality Test."
    },
    {
      "title": "How to apply",
      "details": "Candidates are required to apply online by using the website upsconline.nic.in. It is essential for the applicant to register himself/herself first at One Time Registration (OTR) platform, available on the Commission's website, and then proceed for filling up the online application for the examination."
    },
    {
      "title": "Modification in OTR Profile",
      "details": "Candidates can modify their OTR profile only once in their lifetime after the registration at OTR platform. The option to change in OTR profile data shall be available till the expiry of 7 days from the next day after the closure of the application window of their first final application for any Examination of the Commission."
    },
    {
      "title": "Modification in application form",
      "details": "The Commission allows making corrections in any fields of the application form from the next day of the closure of the application window. This window will remain open for 7 days."
    },
    {
      "title": "No withdrawal of applications",
      "details": "The candidate will not be allowed to withdraw their applications after the submission."
    },
    {
      "title": "Details of Photo ID Card",

```

"details": "Candidates should have details of one Photo ID Card viz. Aadhaar Card/Voter Card/PAN Card/Passport/Driving Licence/Any other Photo ID Card issued by the State/Central Government."

}

],

"last_date_for_submission_applications": "04.06.2024",

"e_admit_card": {

"issue_date": "last working day of the preceding week of the date of examination",

"website": "http://upsc.gov.in"

},

"penalty_for_wrong_answers": "Negative Marking",

"online_question_paper_representation_portal": {

"url": "http://upsconline.nic.in/miscellaneous/QPRep/",

"time_frame": "7 days from the next day of the Examination Date to 6.00 p.m. of the 7th day"

},

"writing_and_marking_answers": "Candidates must use black ball pen only. Do not use Pencil or Ink pen.",

"facilitation_counter": {

"contact_numbers": ["011-23385271", "011-23381125", "011-23098543"],

"working_hours": "10:00 hrs. to 17:00 hrs."

},

"mobile_phones_banned": [

"The use of any mobile phone, pager, or any electronic equipment or programmable device or storage media like pen drive, smart watches etc. or camera or blue tooth devices or any other equipment or related accessories either in working or switched off mode capable of being used as a communication device during the examination is strictly prohibited.",

"Candidates are advised in their own interest not to bring any of the banned items including mobile phones or any valuable/costly items to the venue of the examination."

],

"uploading_photograph": [

"The photograph should not be more than 10 days old from the start of the online application process.",

"Ensure that the name of the candidate and the date on which the photograph was taken are clearly mentioned on the photograph.",

"The candidate's face should occupy 3/4th of the space in the photograph.",

"Candidates must ensure that their appearance matches with their photograph at the time of Written Examination."

],

"examination_venue_timings": "Candidates should reach the venue at least 30 minutes prior to the commencement of each session. No late entry will be allowed.",

"application_mode": "Candidates are required to apply online at http://upsconline.nic.in only.",

"government_policy": "Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.",

"examination_details": {

"conducting_body": "Union Public Service Commission",

"exam_date": "01.09.2024",

```

"courses": [
  {
    "name": "Indian Military Academy, Dehradun - 159th (DE) Course",
    "commencement": "July 2025",
    "vacancies": 100
  },
  {
    "name": "Indian Naval Academy, Ezhimala - Course",
    "commencement": "July 2025",
    "vacancies": 32
  },
  {
    "name": "Air Force Academy, Hyderabad - (Pre-Flying) Training Course",
    "commencement": "July 2025",
    "vacancies": 32
  },
  {
    "name": "Officers' Training Academy, Chennai (Madras) 122nd SSC (Men) (NT) (UPSC) Course",
    "commencement": "October 2025",
    "vacancies": 276
  },
  {
    "name": "Officers Training Academy, Chennai (Madras) 36th SSC Women (NT) (UPSC) Course",
    "commencement": "October 2025",
    "vacancies": 19
  }
]
},
{
  "educational_qualifications": {
    "IMA_and_Officers_Training_Academy_Chennai": "Degree of a recognised University or equivalent.",
    "Indian_Naval_Academy": "Degree in Engineering from a recognised University/Institution",
    "Air_Force_Academy": "Degree of a recognised University (with Physics and Mathematics at 10+2 level) or Bachelor of Engineering.",
    "graduates_with_first_choice": {
      "army_navy_air_force": "Graduates with first choice as Army/Navy/Air Force are to submit proof of Graduation/provisional certificates on the date of commencement of the SSB Interview at the SSB."
    }
  }
}

```

"final_year_students": "Candidates who are studying in the final year/semester Degree course and have yet to pass the final year degree examination can also apply provided candidate should not have any present backlog upto the last semester / year for which results have been declared upto the time of submission of application and they will be required to submit proof of passing the degree examination at the time of commencement of course."

},

"addresses_for_proof_of_passing": {

"IMA_SSC_first_choice_candidates": "IHQ of MoD (Army), Rtg 'A', CDSE Entry, West Block III, R. K. Puram, New Delhi-110066",

"navy_first_choice_candidates": "Naval HQ "DMPR" (OI & R Section), Room No. 204, 'C' Wing, Sena Bhawan, New Delhi-110011",

"air_force_first_choice_candidates": "Dte of Personnel (Oftrs), Kasturba Gandhi Marg, New Delhi-110001. Phone No. 23010231 Extn. 7645/7646/7610"

},

"dates_for_submission_of_proof": {

"IMA_and_Indian_Naval_Academy": "on or before 1st July, 2025",

"Air_Force_Academy": "on or before 13th May, 2025",

"Officers_Training_Academy_Chennai": "on or before 1st October, 2025"

},

"professional_and_technical_qualifications": "Candidates possessing professional and technical qualifications which are recognised by government as equivalent to professional and technical degrees would also be eligible for admission to the examination.",

"exceptional_cases": "In exceptional cases the Commission may treat a candidate, who does not possess any of the qualifications prescribed in this rule as educationally qualified provided that he/she possesses qualifications, the standard of which in the opinion of the Commission, justifies his/her admission to the examination.",

"notes": [

{

"note_1": "Candidates, who have yet to pass their degree examination will be eligible only if they are studying in the final year of degree examination. Those candidates who have yet to qualify in the final year Degree Examination and are allowed to appear in the UPSC Examination should note that this is only a special concession given to them. They are required to submit proof of passing the Degree Examination by the prescribed date and no request for extending this date will be entertained on the grounds of late conduct of basic qualifying University Examination, delay in declaration of results or any other ground whatsoever. Candidates who are studying in the final year/semester degree course are required to submit at the time of SSB interview a bonafide certificate issued by University/College stating that they will be able to submit their proof of passing the graduation degree examination by the specified date, failing which their candidature will be cancelled."

},

{

"note_2": "Candidates who are debarred by the Ministry of Defence from holding any type of commission in the Defence Services shall not be eligible for admission to the examination and if admitted, their candidature will be cancelled."

},

{

"note_3": "In the event of Air Force candidates being suspended from Flying training for failure to learn flying, they would be absorbed in the Navigation/Ground Duty (Non Tech) Branches of the IAF. This will be subject to availability of vacancies and fulfilling the laid down qualitative requirements."

}

]

},

"physical_standards": "Candidates must be physically fit according to physical standards for admission to Combined Defence Services Examination (II), 2024 as per guidelines given in Appendix-IV.",

```

"fee": {

"amount": 200,

"payment_modes": [

"remitting the money in any Branch of SBI by cash",

"using Visa/Master/Rupay Credit/Debit Card/UPI Payment",

"using internet banking facility of any Bank"

],

"notes": [

{

"note_1": "Applicants who opt for 'Pay by Cash' mode should print the system generated Pay in-slip during Part-II registration and deposit the fee at the counter of SBI Branch on the next working day only. 'Pay by Cash' mode option will be deactivated at 11:59 PM of 03.06.2024 i.e. one day before the closing date. However, applicants who have generated their Pay-in slip before it is de-activated may pay at the counter of SBI Branch during banking hours on the closing date. Such applicants who are unable to pay by cash on the closing date i.e. during banking hours at SBI Branch, for reason whatsoever, even if holding a valid Pay-in-Slip will have no other offline option but to opt for online Debit/Credit Card/UPI Payment or internet Banking Payment mode on the closing date i.e. till 6:00 PM of 04.06.2024."

},

{

"note_2": "Candidates should note that payment of examination fee can be made only through the modes prescribed above. Payment of fee through any other mode is neither valid nor acceptable. Applications submitted without the prescribed fee/mode (unless remission of fee is claimed) shall be summarily rejected."

},

{

"note_3": "Fee once paid shall not be refunded under any circumstances nor can the fee be held in reserve for any other examination or selection."

},

{

"note_4": "For the applicants in whose case payments details have not been received from the bank, they will be treated as fictitious payment cases and their applications will be rejected in the first instance. A list of all such applicants shall be made available on the Commission website within two weeks after the last day of submission of online application. The applicants shall be required to submit the proof of their fee payment within 10 days from the date of such communication either by hand or by speed post to the Commission. On receipt of documentary proof, genuine fee payment cases will be considered and their applications will be revived, if they are otherwise eligible."

}

],

"exemptions": [

"ALL FEMALE CANDIDATES",

"CANDIDATES BELONGING TO SCHEDULED CASTES/SCHEDULED TRIBES"

],

"note_about_exemptions": "NO FEE EXEMPTION IS, HOWEVER, AVAILABLE TO OBC CANDIDATES AND THEY ARE REQUIRED TO PAY THE FULL PRESCRIBED FEE."

}

},

{

"scheme_of_examination": {

```

"competitive_examination_comprises": [

"Written examination as shown in para 2 below.",

"Interview for intelligence and personality test (vide Part 'B' of this Appendix) of such candidates as may be called for interview at one of the Services Selection Centres."

],

"subjects_of_written_examination": {

"IMA_INA_Air_Force_Academy": [

{

"subject": "English",

"code": 11,

"duration": "2 Hours",

"maximum_marks": 100

},

{

"subject": "General Knowledge",

"code": 12,

"duration": "2 Hours",

"maximum_marks": 100

},

{

"subject": "Elementary Mathematics",

"code": 13,

"duration": "2 Hours",

"maximum_marks": 100

}

],

"Officers_Training_Academy": [

{

"subject": "English",

"code": 11,

"duration": "2 Hours",

"maximum_marks": 100

},

{

"subject": "General Knowledge",

"code": 12,

"duration": "2 Hours",

"maximum_marks": 100

```

    }

  },

  "maximum_marks_written_interviews": {

    "IMA": 300,

    "INA": 300,

    "Air_Force_Academy": 300,

    "Officers_Training_Academy": 200

  }

},

"papers_subjects": "objective type questions only",

"question_papers_language": "The question papers (Test Booklets) of General Knowledge and Elementary Mathematics will be set bilingually in Hindi as well as English.",

"metric_system": "In the question papers, wherever necessary, questions involving the metric system of Weights and Measures only will be set.",

"candidates_write_papers": "Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answers for them.",

"qualifying_marks": "The Commission have discretion to fix qualifying marks in any or all the subjects of the examination.",

"calculator_use": "The candidates are not permitted to use calculator for answering objective type papers (Test Booklets). They should not therefore, bring the same inside the Examination Hall."

},

"standard_and_syllabus_of_examination": {

  "standard": {

    "elementary_mathematics": "Matriculation level",

    "other_subjects": "Expected of a graduate of an Indian University"

  },

  "syllabus": {

    "english": {

      "code": 1,

      "description": "The question paper will be designed to test the candidates' understanding of English and workmanlike use of words."

    },

    "general_knowledge": {

      "code": 2,

      "description": "General Knowledge including knowledge of current events and of such matters of everyday observation and experience in their scientific aspects as may be expected of an educated person who has not made a special study of any scientific subject. The paper will also include questions on History of India and Geography of a nature which candidate should be able to answer without special study."

    },

    "elementary_mathematics": {

      "code": 3,

      "arithmetic": {

        "number_system": "Natural numbers, Integers, Rational and Real numbers.",

```

"fundamental_operations": "addition, subtraction, multiplication, division, Square roots, Decimal fractions.",

"unitary_method": "time and distance, time and work, percentages, applications to simple and compound interest, profit and loss, ratio and proportion, variation.",

"elementary_number_theory": [

"Division algorithm",

"Prime and composite numbers",

"Tests of divisibility by 2, 3, 4, 5, 9 and 11",

"Multiples and factors",

"Factorisation Theorem",

"H.C.F. and L.C.M.",

"Euclidean algorithm",

"Logarithms to base 10, laws of logarithms, use of logarithmic tables"

]

},

"algebra": [

"Basic Operations, simple factors, Remainder Theorem, H.C.F., L.C.M., Theory of polynomials, solutions of quadratic equations, relation between its roots and coefficients (Only real roots to be considered).",

"Simultaneous linear equations in two unknowns—analytical and graphical solutions.",

"Simultaneous linear inequations in two variables and their solutions.",

"Practical problems leading to two simultaneous linear equations or inequations in two variables or quadratic equations in one variable & their solutions.",

"Set language and set notation, Rational expressions and conditional identities, Laws of indices."

],

"trigonometry": [

"Sine x , cosine x , Tangent x when $0^\circ < x < 90^\circ$ ",

"Values of $\sin x$, $\cos x$ and $\tan x$, for $x = 0^\circ, 30^\circ, 45^\circ, 60^\circ$ and 90° ",

"Simple trigonometric identities.",

"Use of trigonometric tables.",

"Simple cases of heights and distances."

],

"geometry": [

"Lines and angles, Plane and plane figures",

"Theorems on Properties of angles at a point, Parallel lines, Sides and angles of a triangle, Congruency of triangles, Similar triangles, Concurrence of medians and altitudes, Properties of angles, sides and diagonals of a parallelogram, rectangle and square, Circles and its properties including tangents and normals, Loci."

],

"mensuration": [

"Areas of squares, rectangles, parallelograms, triangle and circle.",

"Areas of figures which can be split up into these figures (Field Book)",

"Surface area and volume of cuboids, lateral surface and volume of right circular cones and cylinders, surface area and volume of spheres."

],

"statistics": [

"Collection and tabulation of statistical data",

"Graphical representation frequency polygons, histograms, bar charts, pie charts etc. ",

"Measures of central tendency."

]

},

"intelligence_and_personality_test": {

"ssb_procedure": {

"stage_I": "Officer Intelligence Rating (OIR) tests and Picture Perception* Description Test (PP&DT). The candidates will be shortlisted based on combination of performance in OIR Test and PP&DT.",

"stage_II": "Interview, Group Testing Officer Tasks, Psychology Tests and the Conference. These tests are conducted over 4 days."

},

"details_on_website": "www.joinindianarmy.nic.in",

"assessment": "The personality of a candidate is assessed by three different assessors viz. The Interviewing Officer (IO), Group Testing Officer (GTO) and the Psychologist. There are no separate weightage for each test. The marks are allotted by assessors only after taking into consideration the performance of the candidate holistically in all the test. In addition, marks for Conference are also allotted based on the initial performance of the Candidate in the three techniques and decision of the Board. All these have equal weightage.",

"officer_like_qualities": "The various tests of IO, GTO and Psych are designed to bring out the presence/absence of Officer Like Qualities and their trainability in a candidate. Accordingly candidates are Recommended or Not Recommended at the SSB."

}

}

}

},

{

"InstructionsForOnlineApplication": {

"Website": "www.upsconline.nic.in",

"SalientFeatures": [

"Detailed instructions for filling up Online Applications are available on the above mentioned website.",

"Candidates will be required to complete the Online Application form containing two stages viz. Part I and Part II as per the instructions available in the above mentioned site through drop down menu.",

"The candidates are required to pay a fee of Rs. 200/- (Rupees two hundred only) [except SC/ST candidates and those specified in Note-2 of Point 4 (Fee) of the Notice who are exempted from payment of fee] either by depositing the money in any branch of SBI by cash or by using any Visa/Master/ Rupay Credit/Debit Card/UPI Payment or by using internet banking facility of any Bank.",

"Before start filling up Online Application, a candidate must have his photograph and signature duly scanned in the .jpg format in such a manner that each file should not exceed 300 KB each and must not be less than 20 KB in size for the photograph and signature.",

"A candidate must have his Matriculation Certificate ready prior to filling up his application form. The details viz. Candidate's Name, Father's Name, Mother's Name & Date of Birth to be filled in Online Application Form of the candidate should match exactly with particulars mentioned in the Matriculation Certificate.",

"In addition to this, candidate should also have details of one photo ID viz. Aadhar Card/ Voter Card/ PAN Card/ Passport/ Driving License/ Any other photo ID Card issued by the State/Central Government. The details of this photo ID will have to be provided by the candidate while filling up the online application form. The candidates will have to upload a scanned copy of the Photo ID whose details

have been provided in the online application by him/her. This photo ID will be used for all future referencing and the candidate is advised to carry this ID while appearing for examination/Personality Test/SSB."

"The Online Applications (Part I and II) can be filled from 15th May, 2024 to 04th June, 2024 till 6:00 PM."

"The applicants must ensure that while filling their Application Form, they are providing their valid and active E-mail Ids as the Commission may use electronic mode of communication while contacting them at different stages of examination process."

"The applicants are advised to check their e-mails at regular intervals and ensure that the email address ending with @nic.in are directed to their inbox folder and not to the SPAM folder or any other folder."

"Candidates are strongly advised to apply online well in time without waiting for the last date for submission of online application."

"Moreover, the Commission has introduced provision of withdrawal of application for the candidate, who does not want to appear at the Examination, he/she may withdraw his/her application."

]

},

"SpecialInstructionsForObjectiveTypeTests": {

"ArticlesPermittedInsideExaminationHall": [

"Clip board or hard board (on which nothing is written)",

"Good quality Black Ball Pen for marking responses on the Answer Sheet",

"Answer Sheet and sheet for rough work will be supplied by the invigilator"

],

"ArticlesNotPermittedInsideExaminationHall": [

"Any valuable/costly items",

"Mobile phones",

"Smart/Digital watches",

"Other IT gadgets",

"Books",

"Bags",

"Notes",

"Loose sheets",

"Electronic or any other type of calculators",

"Mathematical and drawing instruments",

"Log Tables",

"Stencils of maps",

"Slide rules",

"Test Booklets and rough sheets pertaining to earlier session(s) etc.",

"Possession (even in Switch off mode)/use of Mobiles, phones, Bluetooth, pagers or any other communication devices or any other incriminating material (notes on e-admit card, papers, eraser etc.)"

],

"PenaltyForWrongAnswers": {

"PenaltyDetails": [

"THERE WILL BE PENALTY (NEGATIVE MARKING) FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS."

"There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate. One third (0.33) of the marks assigned to that question will be deducted as penalty.",

"If a candidate given more than one answer, it will be treated as a wrong answer even if one of the given answers happens to be correct and there will be same penalty as above for that question.",

"If a question is left blank i.e. no answer is given by the candidate, there will be no penalty for that question."

]

},

"UnfairMeansStrictlyProhibited": [

"No candidate shall copy from the papers of any other candidate nor permit his papers to be copied nor give nor attempt to give nor obtain nor attempt to obtain irregular assistance of any description."

],

"ConductInExaminationHall": [

"No candidate should misbehave in any manner or create disorderly scene in the Examination Hall or harass the staff employed by the Commission for the conduct of the examination. Any such misconduct will be severely penalised."

],

"AnswerSheetParticulars": [

"Write with Black ball pen your Centre and subject followed by test booklet series (in bracket), subject code and roll number at the appropriate space provided on the answer sheet at the top. Also encode your booklet series (A, B, C, or D as the case may be), subject code and roll number in the circles provided for the purpose in the answer sheet. The guidelines for writing the above particulars and for encoding the above particulars are given in Annexure. In case the booklet series is not printed on the test booklet or answer sheet is un-numbered, please report immediately to the invigilator and get the test booklet/answer sheet replaced.",

"Candidates should note that any omission/mistakes/discrepancy in encoding/filling of details in the OMR answer sheet, especially with regard to Roll Number and Test Booklet Series Code, will render the answer sheet liable for rejection.",

"Immediately after commencement of the examination please check that the test booklet supplied to you does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet of the same series and subject."

],

"DoNotDosWithAnswerSheet": [

"Do not write your name or anything other than the specific items of information asked for, on the answer sheet/test booklet/sheet for rough work.",

"Do not fold or mutilate or damage or put any extraneous marking in the Answer Sheet. Do not write anything on the reverse of the answer sheet."

],

"HandlingAndFillingAnswerSheets": [

"Since the answer sheets will be evaluated on computerised machines, candidates should exercise due care in handling and filling up the answer sheets. They should use black ball pen only to darken the circles. For writing in boxes, they should use black ball pen. Since the entries made by the candidates by darkening the circles will be taken into account while evaluating the answer sheets on computerised machines, they should make these entries very carefully and accurately."

],

"MethodOfMarkingAnswers": [

"In the 'OBJECTIVE TYPE' of examination, you do not write the answers. For each question (hereinafter referred to as "Item") several suggested answers (hereinafter referred to as "Responses") are given. You have to choose one response to each item. The question paper will be in the Form of TEST BOOKLET. The booklet will contain item bearing numbers 1, 2, 3.....etc. Under each item, Responses marked (a), (b), (c), (d) will be given. Your task will be to choose the correct response. If you think there is more than one correct response, then choose what you consider the best response. In any case, for each item you are to select only one response, if you select more than one response, your response will be considered wrong. In the Answer Sheet, Serial Nos. From 1 to 160 are printed. Against each numbers, there are circles marked (a), (b), (c) and (d). After you have read each item in the Test Booklet and decided which one of the given responses is correct or the best. You have to mark your response by completely blackening with black ball pen to indicate your response.

For example, if the correct answer to item 1 is (b), then the circle containing the letter (b) is to be completely blackened with black ball pen as shown below :- Example : (a) • (c) (d)."

],

"WritePapersInOwnHand": [

"Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe."

],

"EntriesInScannableAttendanceList": [

"Candidates are required to fill in the relevant particulars with black ball pen only against their columns in the Scannable Attendance List, as given below.",

"i) Blacken the circle (P) under the column (Present/Absent)",

"ii) Blacken the relevant circle for Test Booklet Series",

"iii) Write Test Booklet Serial No.",

"iv) Write the Answer Sheet Serial No. and also blacken the Corresponding circles below.",

"v) Append signature in the relevant column."

],

"ReadAndAbideByInstructions": [

"Please read and abide by the instructions on the cover of Test Booklet. If any candidate indulges in disorderly or improper conduct he will render himself liable for disciplinary action and/or imposition of a penalty as the Commission may deem fit."

]

}

},

{

"title": "National Defence Academy",

"location": "Khadakwasla, Pune, Maharashtra",

"description": "The National Defence Academy (NDA) is the joint defence service training institute of the Indian Armed Forces, where cadets of the Indian Army, Indian Navy, and Indian Air Force train together before they go on to their respective service academy for further pre-commission training.",

"history": {

"foundation": [

"At the end of World War II, Field Marshal Claude Auchinleck led a committee that recommended the establishment of a Joint Services Military Academy, modeled on the United States Military Academy at West Point.",

"After India's independence in August 1947, the Chiefs of Staff Committee implemented the recommendations of the Auchinleck report.",

"An interim training academy, known as the Joint Services Wing (JSW), was commissioned on 1 January 1949 at the Armed Forces Academy in Dehradun.",

"In 1941, Lord Linlithgow received a gift of £100,000 from the Sudanese Government towards building a war memorial, which was partly used for the construction of the NDA.",

"The foundation stone for the academy was laid by Prime Minister Jawaharlal Nehru on 6 October 1949, and the NDA was formally commissioned on 7 December 1954."

]

},

"campus": {

```
"location": "17 km south-west of Pune city, north-west of Khadakwasla Lake",
"area": "7,015 acres of the 8,022 acres donated by the Government of former Bombay State",
"features": [
  "Proximity to the Arabian Sea and military establishments",
  "Operational air base nearby at Lohagaon",
  "Salubrious climate",
  "Sudan Block: Administrative headquarters inaugurated by Ambassador of Sudan to India on 30 May 1959"
],
"facilities": [
  "Spacious classrooms",
  "Well-equipped labs",
  "Three Olympic size swimming pools",
  "Gymnasiums",
  "32 football fields",
  "Two polo grounds",
  "Cricket stadium",
  "Squash and tennis courts"
]
},
"training": {
  "academic_program": {
    "degrees": [
      "Bachelor of Arts",
      "Bachelor of Science",
      "Bachelor of Technology (Naval Cadets)"
    ],
    "streams": [
      "Science (physics, chemistry, mathematics, computer science)",
      "Humanities (history, economics, political science, geography, languages)"
    ],
    "courses": {
      "compulsory_course": [
        "English",
        "Foreign Languages (Arabic, Chinese, French, Russian)",
        "Physics",
        "Chemistry",
        "Mathematics",
        "Computer Science",
```

```

    "History",
    "Political Science",
    "Economics",
    "Geography"
  ],
  "foundation_course": [
    "Military Studies",
    "General Studies"
  ],
  "optional_course": [
    "Subjects specific to the cadet's chosen Service"
  ]
}
},
"military_training": {
  "army": [
    "Basic military skills of weapon handling, firing, field engineering, tactics, map reading",
    "Camps: Green Horn (second term), Rover (fourth term), Torna (sixth term)"
  ],
  "air_force": [
    "Ground training and flying training",
    "Use of modern training aids, aircraft models, cross-sectional models of aero-engines",
    "Flying on the Super Dimona aircraft",
    "Exposure to deflection firing through Skeet shooting",
    "Visits to key Air Force training establishments, Air Force Stations, civil aviation centers",
    "Formation of AFTT in 1956, evolution from gliding to flying training",
    "Use of Diamond Super Dimona HK36 aircraft for flying training"
  ],
  "navy": [
    "Specialist Service Subjects training for naval cadets",
    "Theoretical and practical instructions",
    "Navigation, Seamanship, Communication",
    "Visits to Mumbai for exposure to naval activities",
    "Camps: Varuna I (mid-term), Varuna II (end-term)"
  ]
}
},
"administration": {

```

```

"commandant": [
  "Head and overall in-charge of the academy",
  "Three-star rank officer from the three Services in rotation",
  "Present commandant: Vice Admiral Ajay Kochhar, AVSM, NM"
],
},
"selection": {
  "procedure": [
    "Written exam conducted by the UPSC",
    "Interviews by the Services Selection Board",
    "Medical tests",
    "Accepted twice a year for semesters starting in July and January",
    "Approximately 300-350 cadets selected per course",
    "Age requirement: 16.5 to 19.5 years"
  ],
  "flying_branch": [
    "Computerized Pilot Selection System (CPSS)"
  ],
  "post_program": [
    "One year of training at respective training academies before commissioning",
    "Army cadets: Indian Military Academy (IMA) at Dehradun",
    "Air Force cadets: Air Force Academy (AFA) at Dundigal, Hyderabad",
    "Naval cadets: Indian Naval Academy (INA) at Ezhimala, Kerala"
  ],
  "alumni": {
    "achievements": [
      "3 Param Vir Chakra recipients",
      "12 Ashoka Chakra recipients",
      "27 service Chiefs of Staff"
    ],
    "notable_events": [
      "Current Chiefs of Staff of the Army, Navy, and Air Force are from the same course",
      "145th course graduated on 30 November 2023"
    ],
    "participation_in_conflicts": [
      "Led and fought in every major conflict involving India since the academy's establishment",

```

"Gallantry awards: 3 Param Vir Chakras, 31 Maha Vir Chakras, 160 Vir Chakras, 12 Ashok Chakras, 40 Kirti Chakras, 135 Shaurya Chakras",

"11 Chiefs of Army Staff, 10 Chiefs of Naval Staff, 4 Chiefs of Air Staff are NDA alumni"

```
]
}
},
{
  "PABT_Test": {
    "description": "Pilot Aptitude Battery Test (PABT) is carried out for candidates aspiring to join the flying branch of the Indian Air Force, Navy, Army, and Coast Guard. The purpose of these tests is to assess the ability of a candidate to be trained as a pilot. The CPSS (Computerised Pilot Selection System) is an upgraded version of the PABT test.",
    "tests": [
      {
        "name": "Instrument Battery Test (INSB)",
        "type": "Paper-pencil test",
        "details": {
          "purpose": "Checks the ability of the candidate to read and interpret the dials of the instrument panel of an aircraft.",
          "parts": [
            {
              "name": "Apparatus Reading Test",
              "description": "Candidates will be shown six basic instruments in an aircraft and are tested against their ability to read these instruments and provide a response.",
              "questions": 15,
              "time_limit": 12,
              "type": "Objective"
            },
            {
              "name": "Aircraft Heading & Position Identification Test",
              "description": "Candidates use a compass and attitude indicator to determine the aircraft's heading and position. They must identify the direction and movement of the aircraft.",
              "questions": 60,
              "time_limit": 20,
              "type": "Objective"
            }
          ]
        }
      }
    ],
    "name": "Sensory Motor Apparatus Test (SMA)",
    "type": "Machine test",
```



```
"details": {  
  
  "purpose": "Evaluates a candidate's reflexive ability to respond to external stimulus and examines locomotive and sensory abilities.",  
  
  "tasks": [  
  
    {  
  
      "name": "Joystick Control",  
  
      "description": "Controls the movement of a light spot (ball) on the screen in the up and down direction."  
  
    },  
  
    {  
  
      "name": "Foot Pedals",  
  
      "description": "Controls the movement of the light spot in the left or right direction."  
  
    },  
  
    {  
  
      "name": "Light Lever",  
  
      "description": "Moves the lever to control lights on the screen."  
  
    },  
  
    {  
  
      "name": "Beep Button",  
  
      "description": "Presses a button to turn off an intermittent beep."  
  
    }  
  
  ],  
  
  "attempts": 3,  
  
  "time_limit_per_attempt": 90  
  
},  
  
{  
  
  "name": "Control Velocity Test (CVT)",  
  
  "type": "Machine test",  
  
  "details": {  
  
    "purpose": "Superimpose a light spot on a series of moving dots on the screen.",  
  
    "tasks": [  
  
      {  
  
        "name": "Collecting Dots",  
  
        "description": "Superimpose a red light spot on yellow dots running from top to bottom on the screen. Successful superposition triggers a blip sound."  
  
      }  
  
    ],  
  
    "attempts": 3,  
  
    "time_limit_per_attempt": 60
```

```

    }

    },

    "evaluation": "Tests measure coordination and psychomotor skills. Administered once in a lifetime. If failed, candidates cannot reapply for a flying branch.",

    },

    "summary": {

        "advice": "Candidates should not be afraid of the test. Average candidates with experience in video games can easily pass the machine tests.",

        "purpose": "Determines if a candidate is mentally alert, has a presence of mind, self-confidence, and adequate control over nerves. Assesses ability to balance and control flight under stressful circumstances."

    }

    },

    {

        "Seen_in_a_Candidate": {

            "description": "This chapter deals with the 15 Officer Like Qualities (OLQs) that are assessed in the Services Selection Boards (SSB). All three assessors measure the same 15 qualities using their respective tools and techniques. It is important for candidates to know what is seen at the SSB.",

            "factors": [

                {

                    "name": "Factor I: Planning and Organizing",

                    "qualities": [

                        {

                            "name": "Effective Intelligence (EI)",

                            "description": "The ability to evolve solutions to practical problems and cope with minor difficulties of daily life."

                        },

                        {

                            "name": "Reasoning Ability (RA)",

                            "description": "The ability to grasp a given situation and arrive at a conclusion through rational thinking, including receptivity, inquiring attitude, logical reasoning, and ability to see the essentials of a problem."

                        },

                        {

                            "name": "Organizing Ability (OA)",

                            "description": "The ability to use resources systematically to produce effective results."

                        },

                        {

                            "name": "Power of Expression (POE)",

                            "description": "The ability to put across ideas adequately with ease and clarity."

                        }

                    ]

                }

            ]

        }

    }

```

```

},
{
  "name": "Factor II: Social Adjustment",
  "qualities": [
    {
      "name": "Social Adaptability (SA)",
      "description": "The ability to adapt to the social environment and adjust well with persons and social groups."
    },
    {
      "name": "Cooperation (Co)",
      "description": "The attitude to participate willingly and harmoniously with others in a group to achieve the group goal, emphasizing being a team player."
    },
    {
      "name": "Sense of Responsibility (SOR)",
      "description": "The understanding of duty, social standards, and expectations, and giving it energy and attention on one's own accord."
    }
  ]
},
{
  "name": "Factor III: Social Effectiveness",
  "qualities": [
    {
      "name": "Initiative (Inv)",
      "description": "The ability to originate an action and sustain it until the result is achieved."
    },
    {
      "name": "Self Confidence (SC)",
      "description": "The faith in one's own abilities to meet stressful and unfamiliar situations."
    },
    {
      "name": "Speed of Decision (SOD)",
      "description": "The ability to arrive at a workable decision quickly, considering appropriateness and quickness."
    },
    {
      "name": "Ability to Influence the Group (AIG)",
      "description": "The ability to influence others in the group to achieve objectives willingly without force."
    }
  ]
}

```

```

    },
    {
        "name": "Liveliness (Liv)",
        "description": "The capacity to remain calm and cheerful when faced with difficulties, and bring about a cheerful atmosphere in the group."
    }
]
},
{
    "name": "Factor IV: Dynamic",
    "qualities": [
        {
            "name": "Determination (Det)",
            "description": "The ability to put in sustained efforts to achieve objectives despite obstacles and setbacks."
        },
        {
            "name": "Courage (Cou)",
            "description": "The ability to appreciate and take purposive risks, focusing on calculated risks after careful thought."
        },
        {
            "name": "Stamina (Sta)",
            "description": "The capacity to withstand prolonged physical and mental strain, encompassing both physical and mental endurance."
        }
    ]
}
},
"assessment": {
    "description": "In subsequent chapters, a brief description of how assessment of these qualities is done will be discussed."
}
},
{
    "Introduction_to_SSB": {
        "description": "Defence Services namely Indian Army, Indian Air Force and Indian Navy are prestigious institutions known for virtues like discipline, dedication, commitment, adventure, etc. Despite a decline in interest post-90s due to lucrative foreign and multinational job opportunities, there is a renewed interest among youth, especially engineers from top companies, to join the defence forces.",
        "highlights": [
            "Great sense of purpose serving the motherland",
            "Wearing the uniform gives a sense of pride and honour",

```

"Opportunity to lead a large team at a young age",

"Fantastic camaraderie and teamwork",

"Disciplined and orderly lifestyle",

"Best of training and education",

"Sports and adventure",

"Work-life balance and overall well-being"

],

"pay_and_perks": {

"description": "The Sixth Pay Commission and Promotion Reforms have made defence careers lucrative.",

"details": [

"Starting salary of ₹55,000+",

"Fantastic perks like Canteen, Free Medical, Clubs, Sports, Free Travel including by air (for Commanders and above), etc.",

"Fast time scale promotion up to the rank of Lt Col/Commander/Wing Commander",

"Reach the rank of Lt Col/Commander/Wing Commander in just 13 years",

"Easy exit after pensionable service of 20 years",

"Very handsome pension and full financial security post retirement",

"Flexible terms of tenure in the form of short service commission"

]

},

"entry_eligibility": {

"description": "Entry level qualification ranges from 12th class to post-graduation.",

"types": [

{

"name": "NDA/Naval Academy Entry",

"description": "Boys studying in 12th Science (PCM) stream can enter the National Defence Academy/Naval Academy. At the National Defence Academy candidates are put through graduation (B.Sc.) whereas at the Naval Academy candidates go through a four-year B.Tech. program. Candidates are required to go through an entrance test conducted by the UPSC, held twice a year, and pass the SSB."

},

{

"name": "Graduate Entry Scheme",

"description": "Graduates in any stream can join the Indian Army. Science graduates are considered for the main branches in the Indian Navy and Air Force. For ground duty/admin branches of the Air Force and Logistics branch of the Indian Navy, graduates of BBA, BCom or BA (Eco) are considered. Candidates are required to pass an entrance test conducted by the UPSC and then pass the SSB."

},

{

"name": "Technical Entry Scheme",

"description": "Engineering graduates are eligible to join the armed forces without an entrance test but must pass the SSB. The Air Force conducts an Engineering Knowledge Test (EKT)."

},

{

```

    "name": "NCC Special Entry Scheme",

    "description": "NCC 'C' certificate holders are eligible to join without a UPSC entrance examination but must pass the SSB."
  },
  {
    "name": "Women Entry Scheme",

    "description": "Women candidates are inducted into some branches of the armed forces, including flying arms in the Indian Air Force.
The armed forces are gradually becoming an equal opportunity employer."
  }
]
},
"selection_centres": {
  "Indian_Army": [
    {
      "name": "Selection Centre East, Allahabad",

      "SSBs": ["11 SSB", "14 SSB", "18 SSB", "19 SSB", "34 SSB"]
    },
    {
      "name": "Selection Centre Central, Bhopal",

      "SSBs": ["20 SSB", "21 SSB", "22 SSB"]
    },
    {
      "name": "Selection Centre South, Bangalore",

      "SSBs": ["17 SSB", "24 SSB"]
    }
  ],
  "Indian_Navy": [
    {
      "name": "Naval Selection Board, Coimbatore",

      "SSBs": ["Bhopal", "Bangalore"],

      "under_formation": ["Visakhapatnam"]
    }
  ],
  "Indian_Air_Force": [
    "No. 1 Air Force Selection Board at Dehradun",

    "No. 2 Air Force Selection Board at Mysore",

    "No. 3 Air Force Selection Board at Varanasi"
  ]
},

```

```

"testing_schedule": {

  "description": "The selection process is done over five days with three different assessors testing each candidate from three perspectives.",

  "schedule": [

    {

      "day": "Reporting Day",

      "description": "Candidates report in the afternoon and are picked up from the railway station. They receive an opening briefing and fill out a Personal Information Questionnaire (PIQ) form."

    },

    {

      "day": "Day 1",

      "description": "Candidates undergo a screening test, including intelligence tests and a picture perception and discussion test. Based on performance, some candidates are retained for stage 2 testing, and others return home."

    },

    {

      "day": "Day 2",

      "description": "Screened-in candidates undergo psychological tests, including Word Association Test (WAT), Thematic Apperception Test (TAT), Situation Reaction Test (SRT), and a Self Description. Interviews begin."

    },

    {

      "day": "Day 3",

      "description": "Group Testing begins, including Group Discussion (GD), Group Planning Exercise (GPE), Progressive Group Task (PGT), Group Obstacle Race (GOR), Half Group Task (HGT), and Lecturette. Interviews continue."

    },

    {

      "day": "Day 4",

      "description": "Remaining Group Testing tasks, including Individual Obstacles, Command Task, and Final Group Task. Remaining interviews are conducted."

    },

    {

      "day": "Day 5",

      "description": "Conference day where each candidate is reviewed, and final decisions are made. Results are announced in the afternoon."

    },

    {

      "days": "Day 6 to 10",

      "description": "Successful candidates undergo medicals at the nearest military hospital, taking approximately five days. Those who fail may appeal within 45 days."

    }

  ]

},

```

```
"concerns": {  
  
  "description": "The armed forces have many vacancies, but there is a lack of awareness and knowledge about the selection process.  
Myths and misinformation abound, and bad coaching often hinders good candidates."  
  
}  
  
},  
  
{  
  
  "Service Related Information": {  
  
    "INDIAN ARMY": {  
  
      "Overview": {  
  
        "Total Strength": "13 lakh",  
  
        "Officers": "36000",  
  
        "Shortage of Officers": "14000",  
  
        "Supreme Commander": "President of India",  
  
        "Headquarters": "New Delhi",  
  
        "Chief of Army Staff": "General",  
  
        "Assisting Officers": {  
  
          "Vice Chief": "Lt. General",  
  
          "Deputy Chiefs": "2 Lt. Generals",  
  
          "Military Secretary": "Lt. General",  
  
          "Adjutant General": "Lt. General",  
  
          "Quartermaster General": "Lt. General",  
  
          "Master General of Ordnance": "Lt. General",  
  
          "Engineer in Chief": "Lt. General"  
  
        }  
  
      },  
  
    },  
  
    "Commands": {  
  
      "Northern Command": "Udhampur",  
  
      "Western Command": "Chandimandir",  
  
      "Central Command": "Lucknow",  
  
      "Eastern Command": "Kolkata",  
  
      "Southern Command": "Pune",  
  
      "South Western Command": "Jaipur",  
  
      "Training Command": "Shimla"  
  
    },  
  
    "Hierarchy": {  
  
      "Corps": "Lt. Generals",  
  
      "Divisions": "Major General",  
  
    }  
  
  }  
  
}
```



```

"Brigades": "Brigadier",

"Battalions": "Colonel"

},

"Organization": {

  "Arms": [

    "Indian Infantry Regiments",

    "Armoured Corps Regiments",

    "Regiment of Artillery",

    "Corps of Signals",

    "Corps of Engineers",

    "Corps of Army Air Defence",

    "Mechanised Infantry",

    "Army Aviation Corps"

  ],

  "Services": [

    "Army Dental Corps",

    "Army Education Corps",

    "Army Medical Corps",

    "Army Ordnance Corps",

    "Army Postal Service Corps",

    "Army Service Corps",

    "Corps of Electronics and Mechanical Engineers",

    "Corps of Military Police",

    "Intelligence Corps",

    "Judge Advocate General's Dept.",

    "Military Farms Service",

    "Military Nursing Service",

    "Remount and Veterinary Corps",

    "Pioneer Corps"

  ]

},

"Formations": {

  "Division": {

    "Description": "Intermediate between a Corps and a Brigade. Largest striking force in the army.",

    "Headed By": "Major General",

    "Strength": "15,000 combat troops and 8,000 support elements",

    "Total Divisions": "37",

    "Types": [

```

```
"4 RAPID Action Divisions",
"18 Infantry Divisions",
"10 Mountain Divisions",
"3 Armoured Divisions",
"2 Artillery Divisions"
]
},
"Brigade": {
  "Description": "Around 3,000 combat troops with supporting elements",
  "Headed By": "Brigadier",
  "Types": [
    "5 Independent Armoured Brigades",
    "15 Independent Artillery Brigades",
    "7 Independent Infantry Brigades",
    "1 Independent Parachute Brigade",
    "3 Independent Air Defence Brigades",
    "2 Independent Air Defence Groups",
    "4 Independent Engineer Brigades"
  ]
},
"Battalion": {
  "Description": "Main fighting unit of Infantry",
  "Headed By": "Colonel",
  "Strength": "More than 900 combat personnel"
},
"Company": {
  "Headed By": "Major",
  "Strength": "120 soldiers"
},
"Platoon": {
  "Headed By": "Lieutenant or Junior Commissioned Officer",
  "Strength": "32 troops"
},
"Section": {
  "Description": "Smallest military unit",
  "Headed By": "Non-commissioned officer",
  "Strength": "10 personnel"
}
```

},

"Infantry Regiments": [

"Brigade of the Guards",

"The Parachute Regiment",

"Mechanised Infantry Regiment",

"Punjab Regiment",

"Madras Regiment",

"The Grenadiers",

"Maratha Light Infantry",

"Rajputana Rifles",

"Rajput Regiment",

"Jat Regiment",

"Sikh Regiment",

"Sikh Light Infantry",

"Dogra Regiment",

"Garhwal Rifles",

"Kumaon Regiment",

"Assam Regiment",

"Bihar Regiment",

"Mahar Regiment",

"Jammu & Kashmir Rifles",

"Jammu & Kashmir Light Infantry",

"Naga Regiment",

"1 Gorkha Rifles (The Malaun Regiment)",

"3 Gorkha Rifles",

"4 Gorkha Rifles",

"5 Gorkha Rifles (Frontier Force)",

"8 Gorkha Rifles",

"9 Gorkha Rifles",

"11 Gorkha Rifles",

"Ladakh Scouts",

"Arunachal Scouts",

"Sikkim Scouts (Planned)",

"Mizo Regiment (Planned)",

"Meghalaya Regiment (Planned)",

"Manipur Regiment (Planned)"

],

"Artillery Regiments": {

"Overview": "Formidable operational arm of Indian Army.",

"Historical Context": "Traces lineage to Moghul Emperor Babur in 1526."

},

"Armoured Regiments": {

"Total": "97",

"Historic Regiments": [

"1st Skinner's Horse",

"2nd Lancers (Gardners Horse)",

"3rd Cavalry",

"4th Hodsons Horse",

"7th Light Cavalry",

"8th Light Cavalry",

"9th Deccan Horse",

"14th Scinde Horse",

"17th Poona Horse",

"15th Lancers",

"16th Light Cavalry",

"18th Cavalry",

"20th Lancers",

"Central India Horse"

]

},

"Rank Structure": {

"Commissioned Officers": [

"Field Marshal",

"General",

"Lieutenant-General",

"Major-General",

"Brigadier",

"Colonel",

"Lieutenant-Colonel",

"Major",

"Captain",

"Lieutenant"

],

"Junior Commissioned Officers (JCOs)": [

"Subedar Major/Honorary Captain",

"Subedar/Honorary Lieutenant",

```

    "Subedar Major/Risaldar Major",

    "Subedar/Risaldar",

    "Naib Subedar/Naib Risaldar"

  ],

  "Non Commissioned Officers (NCOs)": [

    "Regimental Havildar Major/Regimental Daffadar Major",

    "Regimental Quartermaster Havildar/Regimental Quartermaster Daffadar",

    "Company Havildar Major/Squadron Daffadar Major",

    "Company Quartermaster Havildar/Squadron Quartermaster Daffadar",

    "Havildar/Daffadar"

  ],

  "Other Ranks": [

    "Naik/Lance Daffadar",

    "Lance Naik/Acting Lance Daffadar",

    "Sepoy/Sowar"

  ]

}

}

}

},

{

  "IndianNavy": {

    "NeedForModernNavy": {

      "SpecialEconomicZone": "2.01 Million Sq kms",

      "SeaLine": "7,516 km",

      "NationalSafetyAndDefence": "Integral part",

      "ProtectMaritimeTradeAndAntiPiracyOperations": true

    },

    "StatesHavingSeaFrontiers": [

      "Gujarat",

      "Maharashtra",

      "Andhra Pradesh",

      "Kerala",

      "Tamil Nadu",

      "Karnataka",

      "Orissa",

      "West Bengal"

    ],


```

```
"HistoryOfNavalOperations": {
  "1971War": {
    "Commander": "Admiral Sardarilal Mathradas Nanda",
    "Operations": {
      "Blockade": "West and East Pakistan",
      "SinkingGhazi": "INS Rajput",
      "OperationTrident": {
        "Date": "4 December",
        "Success": true,
        "Details": [
          "Sank minesweeper, destroyer, and ammunition supply ship",
          "Damaged another destroyer and oil storage tanks at Karachi port"
        ]
      },
    },
    "OperationPython": {
      "Date": "8 December",
      "Success": true,
      "Details": [
        "Further deprecating Pakistan Navy's capabilities"
      ]
    },
  },
  "INSKhukri": {
    "SunkBy": "PNS Hangor",
    "Details": "INS Kirpan was damaged on the west coast"
  },
  "INSVikrant": {
    "Role": "Naval blockade on East Pakistan",
    "Aircraft": [
      "Sea Hawk",
      "Alizés"
    ],
    "Details": [
      "Sank numerous gunboats and Pakistani merchant marine ships"
    ]
  },
  "USAndSovietInvolvement": {
    "US": "Task Force 74",
```

```
"Soviet": "Soviet Navy submarines trailed American task force"
},
"Outcome": "Indian naval blockade choked off the supply of reinforcements to Pakistani forces"
},
"Post1971Operations": {
  "OperationCactus": {
    "Date": "1988",
    "Success": true,
    "Details": [
      "Thwarted a coup in the Maldives",
      "INS Godavari and Indian marine commandos recaptured the hijacked ship"
    ]
  },
  "KargilWar": {
    "Date": "1999",
    "Operations": {
      "WesternAndEasternFleets": "Northern Arabian Sea",
      "OperationTalwar": true,
      "Role": [
        "Safeguarded India's maritime assets",
        "Deterred Pakistan from blocking India's sea-trade routes"
      ]
    }
  },
  "NavyAviators": {
    "Roles": [
      "Flew sorties",
      "Fought alongside Indian Army personnel in the Himalayas"
    ]
  }
},
"21stCenturyOperations": [
  "Humanitarian relief in natural disasters",
  "Keeping maritime trade routes free and open"
],
"OperationParakram": {
  "Date": "2001-2002",
  "Details": [
    "Deployed more than a dozen warships to the northern Arabian Sea"
```

```

    ]
  },
  "StraitOfMalacca": {
    "Date": "2001",
    "Role": "Secured the Strait to relieve US Navy resources for Operation Enduring Freedom"
  }
}
},
"HumanitarianOperations": {
  "2004Tsunami": {
    "Operations": [
      "Operation Madad",
      "Operation Sea Waves",
      "Operation Castor",
      "Operation Rainbow",
      "Operation Gambhir"
    ],
    "Details": [
      "27 ships, dozens of helicopters, at least 6 fixed-wing aircrafts and over 5000 personnel deployed"
    ]
  },
  "2006IsraelLebanonConflict": {
    "OperationSukoon": {
      "Evacuees": {
        "IndianNationals": 2286,
        "SriLankan": 436,
        "Nepali": 69
      }
    }
  },
  "CycloneSidr": {
    "Date": "2007",
    "Details": "Supported relief operations in Bangladesh"
  },
  "CycloneNargis": {
    "Date": "2008",
    "Details": "First to launch international relief operations in Myanmar"
  }
}

```



```
},
"AntiPiracyOperations": [
  {
    "Date": "October 1999",
    "Details": "Rescued pirated Japanese cargo ship, MV Alondra Rainbow"
  },
  {
    "Date": "2008",
    "Details": [
      "Deployed INS Tabar and INS Mysore to Gulf of Aden",
      "Prevented numerous piracy attempts",
      "Escorted hundreds of ships"
    ]
  },
  {
    "Date": "2011",
    "OperationIslandWatch": {
      "Details": "Deter piracy attempts by Somali pirates off Lakshadweep archipelago"
    }
  }
],
"Motto": "Shano Varuna",
"StructureAndOrganization": {
  "Categories": [
    "Administration",
    "Logistics and Material",
    "Training",
    "Fleets",
    "Naval Aviation",
    "Submarines"
  ],
  "Commands": [
    {
      "Name": "Western Naval Command",
      "Location": "Mumbai",
      "Commander": "Flag Officer Commanding-in-Chief"
    },
    {
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```

    "Name": "Eastern Naval Command",

    "Location": "Vizag",

    "Commander": "Flag Officer Commanding-in-Chief"

  },

  {

    "Name": "Southern Naval Command",

    "Location": "Kochi",

    "Commander": "Flag Officer Commanding-in-Chief"

  }

],

"JointCommand": {

  "Name": "Andaman and Nicobar Command",

  "Location": "Port Blair",

  "Commander": "Chief of Integrated Services Command",

  "Established": "2001",

  "Role": "Safeguard India's strategic interests in Southeast Asia and the Strait of Malacca"

},

"InternationalAgreements": [

  "Patrolling with Indonesian, Royal Malaysian, and Royal Thai Navies",

  "Agreement with Australia for maritime security in Asia Pacific region"

]

},

"Ranks": {

  "CommissionedOfficers": [

    "Admiral of the Fleet",

    "Admiral",

    "Vice Admiral",

    "Rear Admiral",

    "Commodore",

    "Captain",

    "Commander",

    "Lieutenant Commander",

    "Lieutenant",

    "Sub-Lieutenant"

  ],

  "JuniorCommissionedOfficers": [

    "Master Chief Petty Officer Class I",

    "Master Chief Petty Officer Class II",

```

```
"Chief Petty Officer"

],

"NonCommissionedOfficers": [

  "Petty Officer",

  "Leading",

  "Seaman Class I",

  "Seaman Class II"

],

"OtherRanks": [

  "Leading",

  "Seaman Class I",

  "Seaman Class II"

]

},

"ShipsInService": {

  "AircraftCarriers": [

    {

      "Name": "INS Viraat",

      "Origin": "UK",

      "DecommissioningPlanned": true,

      "Replacement": "Vikrant class aircraft carrier"

    },

    {

      "Name": "INS Vikramaditya",

      "Origin": "Russia",

      "Details": {

        "Commissioned": "2013",

        "Price": "$2.35 billion",

        "Trials": [

          "Sea trials in July 2013",

          "Aviation trials in September 2013"

        ],

        "FormalCommission": "16 November 2013",

        "Location": "Severodvinsk, Russia"

      }

    }

  ],

  "AmphibiousVessels": {
```

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"InService": [  
  {  
    "Name": "INS Jalashwa",  
    "Class": "Austin"  
  }  
,  
"Expected": [  
  "Four amphibious assault ships",  
  "Eight landing craft vessels"  
,  
},  
"DestroyersAndFrigates": {  
  "CurrentDestroyers": [  
    "Delhi class",  
    "Rajput class"  
  ],  
  "FutureDestroyers": [  
    "Kolkata class",  
    "Project 15A destroyers"  
  ],  
  "FutureFrigates": [  
    "Project 15B destroyer (upgraded Kolkata class)"  
  ],  
  "CurrentFrigates": [  
    "Shivalik class",  
    "Talwar class"  
  ],  
  "FutureFrigates": [  
    "Project 17A class (improved Shivalik class)",  
    "Talwar class"  
  ],  
  "RetiredOrRetiring": [  
    "Brahmaputra class",  
    "Godavari class",  
    "Nilgiri class"  
  ],  
},  
"Corvettes": {
```

```
"Current": [  
  "Kora class",  
  "Khukri class",  
  "Veer class",  
  "Abhay class"  
],  
"Future": [  
  "Project 28 class",  
  "Project 28A class"  
]  
},  
"FleetTankers": {  
  "Current": [  
    "Jyoti class",  
    "Aditya class",  
    "Deepak class"  
  ],  
  "Details": {  
    "INS Deepak": "Commissioned in 2011",  
    "INS Shakti": "Commissioned in October 2011"  
  }  
},  
"MiscellaneousShips": [  
  "Survey ships",  
  "Patrol ships",  
  "Floating dock",  
  "Supply and replenishment ships"  
]  
},  
"NavalAirArm": {  
  "Aircraft": {  
    "CarrierBased": [  
      {  
        "Type": "Mikoyan MiG-29K",  
        "Nickname": "Fulcrum-D",  
        "Details": {  
          "Carrier": "INS Vikramaditya"  
        }  
      ]  
    }  
  }  
}
```

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},
{
  "Type": "BAE Sea Harrier",
  "Nickname": "Jump jets",
  "Details": {
    "Carrier": "INS Viraat"
  }
},
"ShoreBased": [
  {
    "Type": "Tupolev Tu-142",
    "Nickname": "Bear F"
  },
  {
    "Type": "Ilyushin Il-38",
    "Nickname": "May"
  },
  {
    "Type": "Dornier Do 228"
  },
  {
    "Type": "HAL HPT-32 Deepak"
  },
  {
    "Type": "Boeing P-8I Neptune"
  }
],
"Helicopters": [
  {
    "Type": "Kamov Ka-28",
    "Nickname": "Helix-A"
  },
  {
    "Type": "Kamov Ka-31",
    "Nickname": "Helix-B"
  },
  {
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"Type": "Sea King",

"Nickname": "Mk. 42B"

},

{

  "Type": "HAL Dhruv"

}

],

"FutureAircraft": [

  {

    "Type": "Naval version of HAL Tejas"

  }

]

},

"NavalBasesAndInstallations": {

  "PrimaryNavalBases": [

    {

      "Name": "INS Shivaji",

      "Location": "Lonavala",

      "Details": "Mechanical Training Establishment"

    },

    {

      "Name": "INS Valsura",

      "Location": "Jamnagar",

      "Details": "Electrical Training Establishment"

    },

    {

      "Name": "INS Dronacharya",

      "Location": "Kochi",

      "Details": "Gunnery Training Establishment"

    },

    {

      "Name": "INS Agrani",

      "Location": "Coimbatore",

      "Details": "Leadership Training Establishment"

    },

    {

      "Name": "INS Chilka",
```

```
"Location": "Chilka",

"Details": "Sailor Training Establishment"

},

{

  "Name": "INS Hamla",

  "Location": "Mumbai",

  "Details": "Logistics Training Establishment"

}

],

"TrainingCenters": [

  {

    "Name": "INS Kattabomman",

    "Location": "Tirunelveli"

  },

  {

    "Name": "INS Mandovi",

    "Location": "Goa"

  },

  {

    "Name": "INS Satavahana",

    "Location": "Visakhapatnam"

  },

  {

    "Name": "INS Garuda",

    "Location": "Kochi"

  },

  {

    "Name": "INS Venduruthy",

    "Location": "Kochi"

  }

],

"OtherInstallations": [

  {

    "Name": "INS Kadamba",

    "Location": "Karwar",

    "Details": {

      "Commissioned": "2005",

      "PlannedExpansion": true,
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"Objective": "Will be India's largest naval base"
}
},
{
  "Name": "INS Vajrakosh",
  "Location": "Karwar",
  "Details": {
    "Commissioned": "2015",
    "Objective": "Stores and maintenance facility"
  }
},
{
  "Name": "INS Kalinga",
  "Location": "Visakhapatnam",
  "Details": {
    "Objective": "Missile storage and maintenance"
  }
},
{
  "Name": "INS Eksila",
  "Location": "Visakhapatnam"
}
]
},
"FutureDevelopmentAndModernization": {
  "Overview": "Numerous projects underway to modernize and expand the Indian Navy's capabilities",
  "OngoingPrograms": [
    {
      "Name": "Scorpène submarines",
      "Details": "Being built in India under a technology transfer agreement with France"
    },
    {
      "Name": "Indigenous nuclear submarine program",
      "Objective": "To build a fleet of nuclear-powered ballistic missile submarines"
    }
  ],
  "ProcurementPlans": [
    {
```

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    "Name": "New aircraft carriers",
    "Details": [
        "Vikrant-class",
        "Future plans for more carriers"
    ]
},
{
    "Name": "Stealth destroyers",
    "Details": [
        "Kolkata-class",
        "Next-generation destroyers"
    ]
},
{
    "Name": "Frigates",
    "Details": [
        "Shivalik-class",
        "Advanced Project 17A-class"
    ]
},
{
    "Name": "Corvettes",
    "Details": [
        "Kamorta-class anti-submarine warfare corvettes"
    ]
}
],
"NavalAircraft": [
{
    "Type": "Carrier-based aircraft",
    "Details": [
        "MiG-29K",
        "Tejas-N",
        "Advanced multi-role fighters"
    ]
},
{
    "Type": "Maritime patrol aircraft",

```

```

"Details": [
  "Boeing P-8I",
  "Advanced long-range patrol aircraft"
],
{
  "Type": "Helicopters",
  "Details": [
    "Multi-role helicopters",
    "Kamov Ka-31"
  ]
}
],
{
  "NotableOperations": [
    "Operation Vijay",
    "Operation Trident",
    "Operation Cactus",
    "Operation Sukoon",
    "Operation Madad"
  ]
},
{
  "IndianAirForce": {
    "FormationAndWorldWarII": {
      "Establishment": "The Indian Air Force was established in British India as an auxiliary air force of the Royal Air Force with the enactment of the Indian Air Force Act 1932 on 8 October that year and adopted the Royal Air Force uniforms, badges, brevets and insignia.",
      "FirstSquadron": "On 1 April 1933, the IAF commissioned its first squadron, No.1 Squadron, with four Westland Wapiti biplanes and five Indian pilots led by Flight Lieutenant (later Air Vice Marshal) Cecil Bouchier.",
      "Branches": "There were only two branches in the Air Force when it was formed, namely the General Duties (GD) branch and the Logistics branch.",
      "WWIIInvolvement": "During World War II, the IAF removed the red center from its roundel to eliminate confusion with the Japanese Hinomaru emblem. The Air Force grew to seven squadrons in 1943 and to nine squadrons in 1945, equipping with Vultee Vengeance dive bombers and Hurricanes, along with a transport unit with the surviving A.W. 15 Atalantas until 1944.",
      "Recognition": "In recognition of the crucial role played by the IAF, King George VI conferred it the prefix 'Royal' in 1945.",
      "TokyoBoys": "During the war, many youth joined the Indian National Army. Forty-five of them (known as the Tokyo Boys) were sent to train as fighter pilots at the Imperial Japanese Air Force Academy in 1944 by Subhas Chandra Bose."
    },
    "PostIndependence": {

```

"PartitionAndDivision": "After gaining independence from the British Empire in 1947, British India was partitioned into the Union of India and the Dominion of Pakistan. Along the lines of the geographical partition, the assets of the air force were divided between the new countries.",

"ConflictWithPakistan": "Around the same time, conflict broke out between them over the control of the princely state of Jammu & Kashmir. The RIAF was called upon to transport troops into the war-zone, leading to the eruption of full-scale war between India and Pakistan.",

"1950Changes": "When India became a republic in 1950, the prefix 'Royal' was dropped from the Indian Air Force. At the same time, the current IAF roundel was adapted.",

"CongoCrisis": "The IAF saw significant conflict in 1960 when Belgium's rule over Congo ended abruptly. IAF sent No.5 Squadron, equipped with English Electric Canberra, to support United Nations Operation in Congo.",

"GoaLiberation": "In late 1961, the Indian government decided to deploy the armed forces in an effort to evict the Portuguese from Goa and other enclaves. The Indian Air Force provided support elements to the ground force in Operation Vijay.",

"SinoIndianWar": "In 1962, border disagreements between China and India escalated to a war. During the Sino-Indian War, India's military planners failed to deploy and effectively use the IAF against the invading Chinese forces.",

"1965War": "Three years after the Sino-Indian conflict, in 1965, Pakistan launched Operation Gibraltar. This was the first time the IAF actively engaged an enemy air force.",

"Post1965Changes": "After the 1965 war, the IAF underwent a series of changes to improve its capabilities. In 1966, the Para Commandos regiment was created, and the IAF inducted 72 HS 748s. HAL HF-24 Marut, designed by German aerospace engineer Kurt Tank, and HAL Ajeet were inducted into the air force.",

"1971War": "By late 1971, the independence movement in East Pakistan led to the Bangladesh Liberation War. On 3 December, India formally declared war against Pakistan.",

"OperationMeghdoot": "In 1984, India launched Operation Meghdoot to capture the Siachen Glacier. IAF's Mi-8, Chetak, and Cheetah helicopters airlifted hundreds of Indian troops to Siachen.",

"SriLankaIntervention": {

"OperationPoomalai": "Following the failure to negotiate an end to the Sri Lankan Civil War, the Indian Government decided to carry out an airdrop of humanitarian supplies on 4 June 1987 in Operation Poomalai.",

"OperationPawan": "In 1987, the IAF supported the Indian Peace Keeping Force (IPKF) in northern and eastern Sri Lanka in Operation Pawan, flying about 70,000 sorties."

},

"OperationCactus": "On the night of 3 November 1988, the IAF mounted special operations to airlift a parachute battalion group to the Maldives in response to a request for military help in Operation Cactus.",

"KargilConflict": "During the Kargil conflict, IAF Mirage 2000s, along with MiG-27s, carried out strikes against enemy positions in Operation Safed Sagar.",

"PostKargilIncidents": "On 10 August 1999, IAF MiG-21s intercepted and shot down a Pakistan Navy Breguet Atlantic over Sir Creek.",

"Modernization": "Since the late 1990s, the IAF has been modernizing its fleet to counter challenges in the new century. The squadron strength is being raised to 42 squadrons."

},

"Motto": "Touch the sky with glory - 'Nabha Sparsham Deeptam'",

"Branches": {

"Flying Branch",

"Engineering - Technical branch",

"Ground Duties Branch",

"Administration",

"Logistics",

"Accounts",

```
"Education",

"Meteorological",

"Medical and Dental Branch"

],

"Structure": {

  "ChiefOfTheAirStaff": "The Chief of the Air Staff with the rank of Air Chief Marshal is the Commander of the Indian Air Force.",

  "AssistingOfficers": [

    "Vice Chief of the Air Staff",

    "Deputy Chief of the Air Staff",

    "Air Officer in Charge of Administration",

    "Air Officer in Charge of Personnel",

    "Air Officer in Charge of Maintenance",

    "Inspector General of Flight Safety"

  ],

  "MarshalOfTheAirForce": "In January 2002, the government conferred the rank of Marshal of the Air Force on Arjan Singh, making him the first and only Five-star officer with the Indian Air Force.",

  "CommandsAndStructure": {

    "OperationalCommands": [

      {

        "name": "Central Air Command (CAC)",

        "headquarters": "Allahabad, Uttar Pradesh"

      },

      {

        "name": "Eastern Air Command (EAC)",

        "headquarters": "Shillong, Meghalaya"

      },

      {

        "name": "Southern Air Command (SAC)",

        "headquarters": "Thiruvananthapuram, Kerala"

      },

      {

        "name": "South Western Air Command (SWAC)",

        "headquarters": "Gandhinagar, Gujarat"

      },

      {

        "name": "Western Air Command (WAC)",

        "headquarters": "Subroto Park, New Delhi"

      }

    ]

  }

}
```

```

    ],
    "FunctionalCommands": [
        {
            "name": "Training Command (TC)",
            "headquarters": "Bangalore, Karnataka"
        },
        {
            "name": "Maintenance Command (MC)",
            "headquarters": "Nagpur, Maharashtra"
        }
    ]
},
"TrainingCenters": [
    "Air Force Administrative College - Coimbatore",
    "Air Force Training Academy - Hakimpet, Hyderabad",
    "Air Force Technical Training Centre - Bangalore and Chennai",
    "Air Force Non-technical Training Centre - Belgaon"
],
"Bases": [
    "Western Air Command: 16 air bases from Punjab to Uttar Pradesh",
    "Eastern Air Command: 15 air bases in Eastern and North-eastern India",
    "Central Air Command: 7 air bases in Madhya Pradesh and surrounding states",
    "Southern Air Command: 9 air bases in Southern India and 2 in the Andaman and Nicobar Islands",
    "South Western Air Command: 12 air bases in Gujarat, Maharashtra, and Rajasthan",
    "Farkhor Air Base in Tajikistan"
],
"Wings": "A Wing is a formation intermediate between a Command and a Squadron, consisting of two or three IAF Squadrons and Helicopter Units, along with Forward Base Support Units (FBSU).",
"Squadrons": "Squadrons are the field units and formations attached to static locations, carrying out the primary task of the IAF."
},
"SpecialUnits": {
    "GarudCommandoForce": "In September 2004, the IAF established its own special operation unit called the Garud Commando Force, consisting of approximately 1500 personnel.",
    "IntegratedSpaceCell": "An Integrated Space Cell, jointly operated by all three services of the Indian armed forces, the civilian Department of Space, and ISRO, has been set up to utilize the country's space-based assets for military purposes.",
    "Satellites": [
        "Technology Experiment Satellite (TES)",
        "RISAT-2",
        "CARTOSAT-2",

```

```

    "CARTOSAT-2A",

    "CARTOSAT-2B"

]

},

"DisplayTeams": {

    "SuryaKiran": {

        "Details": "The Surya Kiran is an aerobatics demonstration team of the Indian Air Force. The team was formed in 1996 and initially comprised six Kiran Mk.II trainer aircraft of the IAF. Over the years, the team has performed numerous air shows both in India and abroad, showcasing the precision and skill of the IAF pilots.",

        "Aircraft": "Kiran Mk.II trainer aircraft"

    },

    "Sarang": {

        "Details": "The Sarang is a helicopter aerobatics team of the Indian Air Force. The team was formed in 2003 and has since been displaying their skills at various national and international air shows. The Sarang team is known for their complex and synchronized maneuvers, flying HAL Dhruv helicopters.",

        "Aircraft": "HAL Dhruv helicopters"

    }

}

},

{

    "IndianMilitaryAircraft": {

        "Overview": "The Indian military has a formidable fleet of aircraft, ranging from combat fighters to surveillance drones, helicopters, and trainers. This comprehensive article will look into the extensive inventory of Indian military aircraft, highlighting the diverse origins, types, and variants that constitute this aerial armada. These aircraft are essential in safeguarding the nation's security interests, aiding in surveillance, transportation, combat missions, and more. With almost 2,000 aircraft in service across the Indian Army, Navy, Air Force, and Coast Guard, this list showcases India's armed forces' technological prowess and strategic capabilities.",

        "IndianAirforceAircrafts": {

            "CombatAircrafts": [

                {

                    "Aircraft": "MiG-21",

                    "Origin": "Soviet Union",

                    "Type": "Fighter",

                    "Variant": "",

                    "InService": 128

                },

                {

                    "Aircraft": "MiG-29",

                    "Origin": "Russia",

                    "Type": "Multirole",

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"Variant": "MiG-29UPG",
    "InService": 65
  },
  {
    "Aircraft": "HAL Tejas",
    "Origin": "India",
    "Type": "Multirole",
    "Variant": "Mk.1 / 1A",
    "InService": 32
  },
  {
    "Aircraft": "Mirage 2000",
    "Origin": "France",
    "Type": "Multirole",
    "Variant": "2000 H/I",
    "InService": 45
  },
  {
    "Aircraft": "Sukhoi Su-30MKI",
    "Origin": "Russia",
    "Type": "Multirole",
    "Variant": "",
    "InService": 248
  },
  {
    "Aircraft": "Dassault Rafale",
    "Origin": "France",
    "Type": "Multirole",
    "Variant": "EH/DH",
    "InService": 36
  },
  {
    "Aircraft": "SEPECAT Jaguar",
    "Origin": "United Kingdom",
    "Type": "Ground Attack",
    "Variant": "IM/IS",
    "InService": 130
  }
}
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],
"AWACS": [
{
  "Aircraft": "Embraer R-99",
  "Origin": "Brazil",
  "Type": "AEW&C",
  "Variant": "",
  "InService": 2
},
{
  "Aircraft": "Beriev A-50",
  "Origin": "Soviet Union",
  "Type": "AEW&C",
  "Variant": "A-50EI",
  "InService": 3
}
],
"ReconnaissanceAircrafts": [
{
  "Aircraft": "Boeing 707",
  "Origin": "United States",
  "Type": "Surveillance",
  "Variant": "",
  "InService": 1
},
{
  "Aircraft": "Global 5000",
  "Origin": "United States",
  "Type": "ELINT",
  "Variant": "",
  "InService": 2
},
{
  "Aircraft": "Gulfstream G100",
  "Origin": "Israel",
  "Type": "Surveillance",
  "Variant": "1125 Astra",
  "InService": 2
}
```

```
},
{
  "Aircraft": "Gulfstream III",
  "Origin": "United States",
  "Type": "ELINT",
  "Variant": "SRA",
  "InService": 3
},
{
  "Aircraft": "Ilyushin Il-78",
  "Origin": "Soviet Union",
  "Type": "Aerial Refueling",
  "Variant": "Il-78MKI",
  "InService": 6
},
{
  "Aircraft": "Boeing 737",
  "Origin": "United States",
  "Type": "VIP Transport",
  "Variant": "737-700",
  "InService": 3
},
{
  "Aircraft": "Boeing 777",
  "Origin": "United States",
  "Type": "VIP Transport",
  "Variant": "777-300ER",
  "InService": 2
},
{
  "Aircraft": "Boeing C-17",
  "Origin": "United States",
  "Type": "Strategic Airlifter",
  "Variant": "",
```

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"InService": 11
},
{
  "Aircraft": "Ilyushin Il-76",
  "Origin": "Soviet Union",
  "Type": "Strategic Airlifter",
  "Variant": "Il-76MD",
  "InService": 17
},
{
  "Aircraft": "Antonov An-32",
  "Origin": "Ukraine",
  "Type": "Transport",
  "Variant": "",
  "InService": 103
},
{
  "Aircraft": "Embraer Legacy 600",
  "Origin": "Brazil",
  "Type": "VIP Transport",
  "Variant": "",
  "InService": 4
},
{
  "Aircraft": "Dornier Do 228",
  "Origin": "Germany",
  "Type": "Transport",
  "Variant": "228-201",
  "InService": 54
},
{
  "Aircraft": "EADS CASA C-295",
  "Origin": "Spain",
  "Type": "Transport",
  "Variant": "C-295MW",
  "InService": null
},
{
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"Aircraft": "C-130J Super Hercules",
"Origin": "United States",
"Type": "Tactical Airlifter",
"Variant": "C-130J-30",
"InService": 12
},
{
  "Aircraft": "Hawker Siddeley HS 748",
  "Origin": "United Kingdom",
  "Type": "Transport",
  "Variant": "",
  "InService": 57
}
],
"Helicopters": [
  {
    "Aircraft": "Mil Mi-17",
    "Origin": "Russia",
    "Type": "Utility",
    "Variant": "Mi-17V-5",
    "InService": 250
  },
  {
    "Aircraft": "Mil Mi-24",
    "Origin": "Russia",
    "Type": "Attack",
    "Variant": "Mi-24/25/35",
    "InService": 15
  },
  {
    "Aircraft": "HAL Dhruv",
    "Origin": "India",
    "Type": "Utility",
    "Variant": "",
    "InService": 107
  },
  {
    "Aircraft": "HAL Rudra",
```

```
"Origin": "India",

"Type": "Attack",

"Variant": "",

"InService": 16

},

{

  "Aircraft": "Alouette III",

  "Origin": "France",

  "Type": "Liaison",

  "Variant": "Chetak",

  "InService": 77

},

{

  "Aircraft": "SA 315B Lama",

  "Origin": "India",

  "Type": "Utility",

  "Variant": "Cheetah",

  "InService": 17

},

{

  "Aircraft": "Boeing AH-64",

  "Origin": "United States",

  "Type": "Attack",

  "Variant": "AH-64E",

  "InService": 22

},

{

  "Aircraft": "CH-47 Chinook",

  "Origin": "United States",

  "Type": "Transport",

  "Variant": "CH-47F",

  "InService": 15

}

],

"TrainerAircraft": [

{

  "Aircraft": "BAE Hawk",

  "Origin": "United Kingdom",
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"Type": "Jet Trainer",
"Variant": "Hawk 132",
"InService": 102
},
{
  "Aircraft": "HAL Kiran",
  "Origin": "India",
  "Type": "Jet Trainer",
  "Variant": "",
  "InService": 78
},
{
  "Aircraft": "HAL HTT-40",
  "Origin": "India",
  "Type": "Basic Trainer",
  "Variant": "",
  "InService": "70 on order"
},
{
  "Aircraft": "HAL Tejas",
  "Origin": "India",
  "Type": "Conversion Trainer",
  "Variant": "Mk. 1",
  "InService": 8
},
{
  "Aircraft": "Pilatus PC-7",
  "Origin": "Switzerland",
  "Type": "Trainer",
  "Variant": "Mk II",
  "InService": 75
},
{
  "Aircraft": "Pipistrel Virus",
  "Origin": "Slovenia",
  "Type": "Basic Trainer",
  "Variant": "",
  "InService": 72
}
```

```
}
],
"UAV": [
{
  "Aircraft": "IAI Heron",
  "Origin": "Israel",
  "Type": "Surveillance",
  "Variant": "Heron 1",
  "InService": 49
},
{
  "Aircraft": "IAI Searcher",
  "Origin": "Israel",
  "Type": "Surveillance",
  "Variant": "Mk. I / II",
  "InService": null
},
{
  "Aircraft": "MQ-9 Reaper",
  "Origin": "United States",
  "Type": "Surveillance",
  "Variant": "SeaGuardian",
  "InService": 2
}
]
},
"ArmyAviationCorpsAircraft": {
  "Helicopters": [
    {
      "Aircraft": "HAL Dhruv",
      "Origin": "India",
      "Type": "Utility",
      "Variant": "",
      "InService": 145,
      "Notes": "73 on order"
    },
    {
      "Aircraft": "HAL Rudra",
```

```
"Origin": "India",

"Type": "Attack",

"Variant": "",

"InService": 75,

"Notes": ""

},

{

  "Aircraft": "Alouette III",

  "Origin": "France",

  "Type": "Liaison/Utility",

  "Variant": "Chetak",

  "InService": 4,

  "Notes": "License-built by HAL"

},

{

  "Aircraft": "SA 315B Lama",

  "Origin": "France",

  "Type": "Liaison/Utility",

  "Variant": "Cheetah",

  "InService": 37,

  "Notes": "License-built by HAL – 8 on order"

},

{

  "Aircraft": "HAL Prachand",

  "Origin": "India",

  "Type": "Attack",

  "Variant": "",

  "InService": 3,

  "Notes": "2 on order"

},

{

  "Aircraft": "Boeing AH-64",

  "Origin": "United States",

  "Type": "Attack",

  "Variant": "AH-64E(I)",

  "InService": null,

  "Notes": "6 on order"

}
```



```
  ],
  "UAV": [
    {
      "Aircraft": "IAI Heron TP",
      "Origin": "Israel",
      "Type": "Surveillance",
      "Variant": "Heron TP",
      "InService": null,
      "Notes": "16 Heron on order"
    },
    {
      "Aircraft": "IAI Searcher",
      "Origin": "Israel",
      "Type": "Surveillance",
      "Variant": "Mk. I / II",
      "InService": null,
      "Notes": ""
    },
    {
      "Aircraft": "Switch",
      "Origin": "India",
      "Type": "Surveillance",
      "Variant": "",
      "InService": null,
      "Notes": "Undisclosed quantities on order"
    }
  ]
},
"NavalAirArm": {
  "CombatAircraft": [
    {
      "Aircraft": "HAL Tejas",
      "Origin": "India",
      "Type": "Multirole",
      "Variant": "Mk.1",
      "InService": null,
      "Notes": "8 on order"
    },
  ],
}
```

```
{
  "Aircraft": "MiG-29",
  "Origin": "Russia",
  "Type": "Multirole",
  "Variant": "MiG-29K",
  "InService": 45,
  "Notes": "9 KUB variants provide conversion training"
}
```

```
],
```

```
"AWACS": [
  {
    "Aircraft": "Kamov Ka-31",
    "Origin": "Russia",
    "Type": "AEW",
    "Variant": "",
    "InService": 14,
    "Notes": "Employs a Planar array radar"
  }
```

```
],
```

```
"MaritimePatrol": [
  {
    "Aircraft": "Boeing P-8",
    "Origin": "United States",
    "Type": "ASW / Patrol",
    "Variant": "P-8I",
    "InService": 12,
    "Notes": ""
  },
```

```
{
  "Aircraft": "Ilyushin Il-38",
  "Origin": "Soviet Union",
  "Type": "ASW / Patrol",
  "Variant": "",
  "InService": 4,
  "Notes": ""
},
```

```
{
  "Aircraft": "Dornier Do 228",
```

```

    "Origin": "Germany",
    "Type": "Surveillance",
    "Variant": "228-201",
    "InService": 24,
    "Notes": "11 on order"
  },
  {
    "Aircraft": "Britten-Norman BN-2",
    "Origin": "United Kingdom",
    "Type": "Utility / Patrol",
    "Variant": "BN-2B/2T",
    "InService": 4,
    "Notes": ""
  }
],
"Helicopters": [
  {
    "Aircraft": "HAL Dhruv",
    "Origin": "India",
    "Type": "Utility",
    "Variant": "",
    "InService": 17,
    "Notes": "8 on order"
  },
  {
    "Aircraft": "Kamov Ka-27",
    "Origin": "Russia",
    "Type": "ASW",
    "Variant": "Ka-28",
    "InService": 14,
    "Notes": ""
  },
  {
    "Aircraft": "Westland Sea King",
    "Origin": "United Kingdom",
    "Type": "SAR / Utility",
    "Variant": "Mk.42B/C",
    "InService": 25,

```

```

    "Notes": "Six are UH-3H variants"
  },
  {
    "Aircraft": "HAL Chetak",
    "Origin": "France",
    "Type": "Liaison / Utility",
    "Variant": "",
    "InService": 36,
    "Notes": "6 on order"
  },
  {
    "Aircraft": "SH-60 Seahawk",
    "Origin": "United States",
    "Type": "ASW / SAR",
    "Variant": "MH-60R",
    "InService": 2,
    "Notes": "22 on order"
  }
],
"TrainerAircraft": [
  {
    "Aircraft": "BAE Hawk",
    "Origin": "United Kingdom",
    "Type": "Jet Trainer",
    "Variant": "Hawk 132",
    "InService": 17,
    "Notes": ""
  },
  {
    "Aircraft": "HAL Kiran",
    "Origin": "India",
    "Type": "Jet Trainer",
    "Variant": "",
    "InService": 20,
    "Notes": ""
  }
],
"UAV": [

```

```
{
  "Aircraft": "IAI Heron",
  "Origin": "Israel",
  "Type": "Surveillance",
  "Variant": "Heron 1",
  "InService": null,
  "Notes": ""
},
{
  "Aircraft": "IAI Searcher",
  "Origin": "Israel",
  "Type": "Surveillance",
  "Variant": "Mk. I / II",
  "InService": null,
  "Notes": ""
},
{
  "Aircraft": "MQ-9 Reaper",
  "Origin": "United States",
  "Type": "Surveillance",
  "Variant": "Sea Guardian",
  "InService": 2,
  "Notes": ""
}
]
},
"IndianCoastGuardAircraft": {
  "MaritimePatrol": [
    {
      "Aircraft": "Dornier Do 228",
      "Origin": "Germany",
      "Type": "Reconnaissance",
      "Variant": "101/201",
      "InService": 23,
      "Notes": "2 on order"
    }
  ],
  "Helicopters": [
```

```

{
  "Aircraft": "HAL Dhruv",
  "Origin": "India",
  "Type": "Utility",
  "Variant": "Mk. I / Mk. III",
  "InService": "4 / 16",
  "Notes": ""
},
{
  "Aircraft": "HAL Chetak",
  "Origin": "India",
  "Type": "Utility",
  "Variant": "",
  "InService": 17,
  "Notes": ""
}
}
}
},
{
  "UnmannedAerialVehicles": {
    "PrimaryRole": "The primary role of Unmanned Aerial Vehicles (UAVs) is to provide aerial surveillance and reconnaissance. UAVs can also be used as unmanned combat aircraft or pilotless target aircraft.",
    "IAFCurrentUsage": [
      {
        "Aircraft": "IAI Searcher II",
        "Role": "Reconnaissance and Surveillance"
      },
      {
        "Aircraft": "IAI Heron",
        "Role": "Reconnaissance and Surveillance"
      },
      {
        "Aircraft": "IAI Harpy",
        "Role": "Unmanned Combat Aerial Vehicle (UCAV), designed to attack radar systems"
      },
      {

```

```
"Aircraft": "DRDO Lakshya",
"Role": "Realistic towed aerial sub-targets for live fire training"
}
]
},
"LandBasedAirDefence": {
"SurfaceToAirMissileSystems": [
{
"System": "S-125 Pechora",
"Role": "Surface-to-air missile system"
},
{
"System": "9K33 Osa",
"Role": "Surface-to-air missile system"
},
{
"System": "Akash",
"Role": "Medium range surface-to-air missile system",
"Notes": "8 squadrons have been ordered so far"
}
],
"BallisticMissiles": [
{
"Missile": "Prithvi-II",
"Role": "Short-range ballistic missile (SRBM)",
"Notes": "IAF-specific variant of the Prithvi ballistic missile"
}
],
"AntiBallisticMissileSystems": [
{
"System": "S-300 SAM",
"Role": "Anti-Tactical Ballistic Missile (ATBM) system",
"Notes": "Can detect, track, and destroy incoming cruise missiles and low-flying aircraft"
}
]
},
"Tejas": {
```

"Overview": "The Tejas is a multi-role light fighter developed by India. It is a tail-less, compound delta-wing design powered by a single engine. It emerged from the Light Combat Aircraft (LCA) programme, which began in the 1980s to replace India's ageing MiG-21 fighters.",

"Naming": "The LCA was officially named "Tejas," meaning "Radiance," by then Prime Minister Atal Bihari Vajpayee.",

"Design": "The Tejas has a pure delta wing configuration, with no tailplanes or foreplanes, and a single dorsal fin. It integrates technologies such as relaxed static stability, fly-by-wire flight control system, multi-mode radar, integrated digital avionics system, composite material structures, and a flat rated engine.",

"Development": "The Tejas is the second supersonic fighter developed indigenously by Hindustan Aeronautics Limited (HAL) after the HAL Marut. The Indian Air Force (IAF) is reported to have a requirement for 200 single-seat and 20 two-seat conversion trainers, while the Indian Navy may order up to 40 single-seaters to replace its Sea Harrier FRS.51 and Harrier T.60. The Tejas was cleared in January 2011 for use by Indian Air Force pilots. It received the second of three levels of operational clearance on 20 December 2013."

},

"NationalCadetCorps": {

"CentralAdvisoryCommittee": {

"Overview": "The NCC functions under the overall supervision of the Central Advisory Committee. Raksha Rajya Mantri is the Chairman. The Committee meets once in two years.",

"Composition": [

"RRM (Raksha Rajya Mantri) - Chairman",

"Defence Secretary - Ex-Officio Member",

"Secretary Education - Ex Officio Member",

"Three Service Chiefs - Ex Officio Member",

"Two MPs of Lok Sabha",

"One MP of Rajya Sabha",

"Five Non Official members nominated by the Central Govt"

]

},

"Motto": "Unity and Discipline",

"Aims": [

"To develop qualities of character, courage, comradeship, leadership, secular outlook, spirit of adventure and sportsmanship and ideals of selfless service among the youth to make them useful citizens.",

"To create human resource of organized, trained and motivated youth to provide leadership in all walks of life including the armed forces and who are always available for the services of nation.",

"To create suitable environment to motivate the youth to take up a career in the armed forces."

],

"Structure": {

"Directorates": [

"Army wing",

"Air wing-raised in 1950",

"Naval wing-raised in 1952"

],

"Divisions": [

"Senior Division - 19-26 yrs age",

"Junior Division - 13-18 yrs age",

"Girls Division"

]

},

"NCCDay": "NCC day is celebrated on 4th Sunday of November every year.",

"Commandments": [

"Wear neat and clean dress",

"I will carry out my duties while remaining in discipline",

"Always obey the orders of seniors with a smile",

"I will always be punctual",

"I will work with full dedication",

"I will undergo training with determination",

"I will be a good citizen and love my country",

"I will serve the nation and the humanity",

"I will always speak the truth and will not make lame excuses",

"I will hold mine and NCC's honour at the highest level"

]

},

"HonoursAndAwards": {

"NationalHonours": {

"Overview": "National Honours and Awards like Bharat Ratna and other gallantry awards are presented on Republic Day in recognition of distinguished services of high order or exceptional valour and courage in war. These honours are described as under:",

"NonGallantryAwards": [

{

"Award": "Bharat Ratna",

"Description": "The award is given for exceptional work towards advancement of art, literature and science, and in recognition of public service of the highest order."

},

{

"Award": "Padma Vibhushan",

"Description": "The award is given for exceptional and distinguished service in any field including service rendered by government servants."

},

{

"Award": "Padma Bhushan",

"Description": "The award is given for distinguished service of a high order in any field, including service rendered by government servants."

},

{

"Award": "Padma Shri",

```

    "Description": "The award is given for distinguished service in any field including service rendered by government servants."
  }
]
},
"GallantryAwards": [
  {
    "Award": "Param Vir Chakra",
    "Description": "The highest decoration for valour is the Param Vir Chakra which is awarded for the most conspicuous bravery or some daring or preeminent act of valour or self-sacrifice in the presence of the enemy, whether on land, at sea or in the air."
  },
  {
    "Award": "Mahavir Chakra",
    "Description": "Mahavir Chakra is the second highest decoration and is awarded for acts of conspicuous gallantry in the presence of enemy, whether on land, at sea or in the air."
  },
  {
    "Award": "Vir Chakra",
    "Description": "Vir Chakra is third in the order of awards given for act of gallantry in the presence of the enemy, whether on land, at sea or in the air."
  },
  {
    "Award": "Ashoka Chakra",
    "Description": "The medal is awarded for the most conspicuous bravery or some daring or prominent act of valour or self-sacrifice on land, at sea or in the air."
  },
  {
    "Award": "Kirti Chakra",
    "Description": "The decoration is awarded for conspicuous gallantry. It is made of standard silver and is circular in shape. The obverse and the reverse are exactly the same as in Ashok Chakra."
  },
  {
    "Award": "Shaurya Chakra",
    "Description": "The decoration is awarded for an act of gallantry. It is exactly like Ashok Chakra, except that it is made of bronze. All Chakra are worn on the left breast."
  }
],
"ServiceMedals": [
  {
    "Medal": "Param Vishisht Seva Medal",

```

"Description": "The Vishisht Seva (Distinguished Service) Medals are awarded to personnel of all the three services in recognition of distinguished service of the "most exceptional", "exceptional" and "high" order respectively. Param Vishisht Seva Medal is made of gold."

},

{

"Medal": "Ati Vishisht Seva Medal",

"Description": "The Vishisht Seva (Distinguished Service) Medals are awarded to personnel of all the three services in recognition of distinguished service of the "most exceptional", "exceptional" and "high" order respectively. Ati Vishisht Seva Medal is made of standard silver."

},

{

"Medal": "Vishisht Seva Medal",

"Description": "The Vishisht Seva (Distinguished Service) Medals are awarded to personnel of all the three services in recognition of distinguished service of the "most exceptional", "exceptional" and "high" order respectively. Vishisht Seva Medal is made of bronze, all circular in shape."

}

]

}

},

{

"ChangeOfSSBDate": {

"Request": "Request for preponement/postponement of SSB Dates, if any is to be addressed directly to the Selection centre allotted."

},

"DuplicateApplication": {

"Warning": "Candidature of candidates filling up more than one application after creating more than one profile, by incorporating minor changes to basic details like mother/father's name or changing alphabets or sequence in own name etc, for any entry, will be cancelled as and when detected during the selection process."

},

"ReadingNotifications": {

"Advice": "Candidates are advised to read all instructions / notification available before forwarding queries / feedback. Queries on information already available on website / in the notification may not be replied."

},

"CorrectMobileNumbersAndEmailAddresses": {

"Advice": "Candidates registering on the website i.e www.joinindianarmy.nic.in or applying for NDA/NAVAC/CDSE entry through UPSC website are requested to ensure that mobile numbers and email addresses being submitted in their online applications are unique to them. Using mobile numbers or email addresses of friends, internet kiosks or other candidates may lead to errors in processing their applications."

},

"NumberOfSSBAttempts": {

"Warning": "Candidates misinforming /concealing the number of SSB attempts already taken (including at AFSBs & NSBs), when called upon to declare the same, are liable to lose their candidature at any stage of selection process once the same is noticed by authorities concerned. Failure to clear Stage 1 of SSB is also counted as one attempt."

},

"MismatchInParticularsBetweenProfileApplicationDataAndMatriculationCertificate": {

"Warning": "Online applications where individual details mentioned above (i.e Name, Date of Birth, Father's name, Mother's name correct & upload) do not match with details on matriculation certificate are liable to be rejected during the documents check at Selection Centres."

},

"EditingOfPersonalDataInCandidatesProfile": {

"Instructions": [

"Candidates can edit/update all fields except user name in their registration profile until they have submitted an application for any course.",

"After successful submission of application for any course, candidates can edit/update all fields in their registration profile, except the following:",

"Date of birth.",

"Matriculation certificate number.",

"Candidate's name.",

"Parent's name.",

"User name."

],

"DOB": {

"Instructions": "Candidates seeking amendments to Date of Birth in their registration profile after successful submission of application for any course are required to submit an application along with self-attested copy of matriculation/equivalent certificate, by post, duly justifying the requirement to Directorate General of Recruiting (Rtg A), Adjutant General's Branch, IHQ of MoD (Army), West Block III, RK Puram, New Delhi-110066. Changes, if any, approved by competent authority will be made in the candidate's profile, to be effective for future courses i.e for courses whose applications are still open/due to open in future. No changes/variations will be accepted by the Selection Centers/SSBs directly on a candidate's request."

},

"MatriculationCertificateNumber": {

"Instructions": "Candidates seeking amendments to Matriculation Certificate number in their registration profile can submit an application along with self-attested copy of matriculation/equivalent certificate by post, duly justifying the requirement to Directorate General of Recruiting (Rtg A), Adjutant General's Branch, IHQ of MoD (Army), West Block III, RK Puram, New Delhi 110066. Changes will be made in the candidate's profile, if approved by competent authority."

},

"NameCorrection": {

"Instructions": "Names as mentioned in matriculation/equivalent certificates only will be accepted by the Selection Centres/SSB. However, in case of minor variations in the registration data/course application with respect to matriculation/equivalent certificates, candidates may carry an affidavit for SSB stating that their name/parent's name (as applicable) as per the matriculation/equivalent certificate is correct and mistake has occurred in the registration/application process. Affidavits contradicting the contents of matriculation/equivalent certificate will not be accepted by the Selection Centres/SSBs."

},

"Username": {

"Instructions": "E-mail address submitted by a candidate during initial registration process is usually the default username allotted to the candidate. The same being unique is not permitted to be changed. It needs to be noted that having more than one registration profile on www.joinindianarmy.nic.in is not permitted. However, candidates erroneously creating more than one profile can seek merger of such profiles by forwarding requests through the feedback/query module online, duly stating reason(s) for having created more than one profile. In case reason(s) for creating duplicate profile(s) are not found convincing/genuine, the candidate's candidature for subsequent courses is liable to be cancelled without notice."

}

},

"PrimacyOfCourseNotifications": {

"Advice": "All information uploaded on this website is for the guidance of candidates/prospective candidates. In case of any ambiguity, all information forming part of the course-specific notification for each course, uploaded under the heading 'Notifications' on this website (Home page Officers Selection Notifications) or on UPSC website www.upsc.gov.in for UPSC entries viz CDSE and NDA & Naval Academy exam, takes precedence."

}

},

{

"MedicalExaminationProcedure": {

"General": {

"Description": "Recommended candidates appear before the medical board for carrying out their medical board after the SSB results. It takes 4 to 5 days for the concerned Military Hospital to complete the medical board and after that the candidates are dispersed. NDA candidates are examined both for Army and Navy unless otherwise instructed and endorsement of fitness status will be made accordingly. President of the medical board will guide the candidates for Appeal/Review Medical Board procedures. Candidates may seek the advice of President Special Medical Board for review/appeal in case they have been declared unfit."

},

"ProcedureOfAppealMedicalBoard": {

"Hospitals": [

"Base Hospital, Delhi Cantt.",

"Command Hospital, Southern Command, Pune.",

"Command Hospital, Eastern Command, Kolkata.",

"Command Hospital, Central Command, Lucknow.",

"Command Hospital, Western Command, Chandimandir.",

"Command Hospital, Air Force, Bangalore.",

"Command Hospital, Northern Command, C/o 56 APO.",

"INHS, Ashvini, Mumbai."

],

"Instructions": "The candidates will report for medical examination within the stipulated period i.e., 42 days from the date last examined by the Special Medical Board for re-examination along with the receipted copy of the MRO/TR as directed by the President Medical Board. The endeavour will be to complete the Medical Board in one day."

},

"ReviewMedicalBoard": {

"Description": "In case of candidate being declared unfit by the Appeal Medical Board, he/she may challenge the proceedings and may be granted review of medical proceedings based on the merit of the case. Any candidate desiring for a review should address the request to Recruiting Directorate (Personnel & Coord), Army Headquarters, West Block III, RK Puram, New Delhi with a copy to the President of Appeal Medical Board within one day of the holding of Appeal Medical Board. The application for RMB are routed through DG AFMS. The decision for grant of RMB is with DG AFMS, and is not a matter of right. RMBs are conducted at R&R Hospital Delhi Cantt and AFMC, Pune."

},

"StayDuringMedicalExamination": {

"Description": "The recommended candidates after the declaration of SSB results will stay in the Selection Centres in the lines earmarked for the recommended candidates for their medical examination by the Military Hospital. The candidates will be allotted fresh medical chest numbers for the purpose. Candidates who go for Appeal Medical Board or have to get their medical examination done at a later date due to some unavoidable reasons will do so under their own arrangements."

},

"DisciplineDuringMedicalExamination": {

"Description": "It is utmost important that recommended candidates maintain proper discipline during their stay in Selection Centres during their conduct of medical examination. The candidates are required to put on their medical Chest Number (with Red Cross) whenever they are present in the campus of Selection Centres."

```
}  
  
}  
  
},  
  
{  
  
"CentresOfExamination": [  
  
    "AGARTALA",  
  
    "GHAZIABAD",  
  
    "PANAJI (GOA)",  
  
    "AGRA",  
  
    "GORAKHPUR",  
  
    "PATNA",  
  
    "AJMER",  
  
    "GURGAON",  
  
    "PORT BLAIR",  
  
    "AHMEDABAD",  
  
    "GWALIOR",  
  
    "PRAYAGRAJ (ALLAHABAD)",  
  
    "AIZAWL",  
  
    "HYDERABAD",  
  
    "PUDUCHERRY",  
  
    "ALIGARH",  
  
    "IMPHAL",  
  
    "PUNE",  
  
    "ALMORA (UTTARAKHAND)",  
  
    "INDORE",  
  
    "RAIPUR",  
  
    "ANANTPUR (ANDHRA PRADESH)",  
  
    "ITANAGAR",  
  
    "RAJKOT",  
  
    "AURANGABAD (MAHARASHTRA)",  
  
    "JABALPUR",  
  
    "RANCHI",  
  
    "BENGALURU",  
  
    "JAIPUR",  
  
    "SAMBALPUR",  
  
    ]  
  
}
```

"BAREILLY",
"JAMMU",
"SHILLONG",
"BHOPAL",
"JODHPUR",
"SHIMLA",
"BILASPUR (CHHATISGARH)",
"JORHAT",
"SILIGUDI",
"CHANDIGARH",
"KOCHI",
"SRINAGAR",
"CHENNAI",
"KOHIMA",
"SRINAGAR (UTTARAKHAND)",
"COIMBATORE",
"KOLKATA",
"THANE",
"CUTTACK",
"KOZHIKODE (CALICUT)",
"THIRUVANANTHAPURAM",
"DEHRADUN",
"LEH",
"TIRUCHIRAPALLI",
"DELHI",
"LUCKNOW",
"TIRUPATI",
"DHARAMSHALA",
"LUDHIANA",
"UDAIPUR",
"DHARWAD",
"MADURAI",
"VARANASI",
"DISPUR",
"MANDI",
"VELLORE",
"FARIDABAD",
"MUMBAI",

"VIJAYAVADA",
"GANGTOK",
"MYSORE",
"VISHAKHAPATNAM",
"GAYA",
"NAGPUR",
"WARANGAL",
"GAUTAM BUDDH NAGAR",
"NAVI MUMBAI"

},

"CentreAllotment": {

"Policy": "Applicants should note that there will be a ceiling on the number of candidates allotted to each of the centres except Chennai, Dispur, Kolkata and Nagpur. Allotment of Centres will be on the first-apply-first-allot basis and once the capacity of a particular centre is attained, the same will be frozen. Applicants, who cannot get a centre of their choice due to ceiling, will be required to choose a Centre from the remaining ones. Applicants are advised to apply early so that they could get a Centre of their choice. The Commission reserves the right to change the Centres at their discretion if the situation demands."

"Note": "Candidates admitted to the examination will be informed of the timetable and place of examination. No request for change of centre will be granted. Candidates should carefully decide about their choice for the centre while filling in the online Application form. If any candidate appears at a Centre/Paper other than the one indicated by the Commission in his/her Admission Certificate, the papers of such a candidate will not be valued and his/her candidature will be liable to cancellation."

},

"ConditionsOfEligibility": {

"Nationality": {

"Requirement": "A candidate must be unmarried and must either be:",

"Options": {

"a Citizen of India, or",

"a subject of Nepal, or",

"a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka and East African Countries of Kenya, Uganda, the United Republic of Tanzania, Zambia, Malawi, Zaire and Ethiopia or Vietnam with the intention of permanently settling in India."

},

"Certification": "Provided that a candidate belonging to categories (ii) and (iii) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India."

"Exception": "Certificate of eligibility will, however, not be necessary in the case of candidates who are Gorkha subjects of Nepal. A candidate in whose case a certificate of eligibility is necessary, may be admitted to the examination provisionally subject to the necessary certificate being given to him/her by the Govt. before declaration of result by UPSC."

}

}

},

{

"MedicalStandards": {

"GeneralGuidelines": "Medical standards described in the following paragraphs are general guidelines. They are not exhaustive in view of the vast knowledge of disease. These standards are subject to change with advancement in the scientific knowledge and change in working conditions of Armed Forces due to introduction of new equipment/trades. Such changes will be promulgated from time to time by policy

letters by competent authorities. Medical Officers, Special Medical Officers, and Medical Boards will take appropriate decisions based on the following guidelines and principles.",

"FitnessRequirements": {

"GeneralHealth": "To be deemed 'Medically fit', a candidate must be in good physical and mental health and free from any disease/syndrome/disability likely to interfere with the efficient performance of military duties in any terrain, climate, season including sea and air, in remote areas, in austere conditions with no medical aid. Candidate also should be free of medical conditions which require frequent visits to medical facilities and use of any aid / drugs.",

"SpecificRequirements": [

"No evidence of weak constitution, imperfect development of any system, any congenital deformities/diseases/syndrome or malformation.",

"No swelling/s including tumours/cyst/swollen lymph node/s anywhere on the body. No sinus/es or fistula/e anywhere on the body.",

"No hyper or hypo pigmentation or any other disease/syndrome/disability of the skin.",

"No hernia anywhere on the body.",

"No scars which can impair the functioning and cause significant disfigurement.",

"No arterio-venous malformation anywhere in/on the body.",

"No malformation of the head and face including asymmetry, deformity from fracture or depression of the bones of the skull; or scars indicating old operative interference and malformation like sinuses and fistulae etc.",

"No impairment of vision including colour perception and field of vision.",

"No hearing impairment, deformities/disabilities in ears vestibule-cochlear system.",

"No impediment of speech due to any aetiology.",

"No disease/disability/congenital anomaly/syndrome of the bones or cartilages of the nose, or palate, nasal polyps or disease of the naso-pharynx, uvula and accessory sinuses. There should be no nasal deformity and no features of chronic tonsillitis.",

"No disease/syndrome/disability of the throat, palate tonsils or gums or any disease or injury affecting the normal function of either mandibular joint.",

"No disease/syndrome/disability of the heart and blood vessels including congenital, genetic, organic including hypertension, and conduction disorders.",

"No evidence of pulmonary tuberculosis or previous history of this disease or any other disease/syndrome/disability chronic disease of the lungs and chest including allergies/immunological conditions, connective tissue disorders, musculoskeletal deformities of chest.",

"No disease of the digestive system including any abnormality of the liver, pancreas including endocrinal, congenital, hereditary or genetic diseases/syndromes and disabilities.",

"No diseases/syndrome/disability of any endocrinal system, reticuloendothelial system.",

"No diseases/syndrome/disability of genito-urinary system including malformations, atrophy/hypertrophy of any organ or gland.",

"No active, latent or congenital venereal disease.",

"No history or evidence of mental disease, epilepsy, incontinence of urine or enuresis.",

"No disease/deformity/syndrome of musculo-skeletal system and joints including skull, spine and limbs.",

"No congenital or hereditary disease/syndrome/disability."

]

},

"PsychologicalExaminations": {

"Guideline": "Psychological examinations will be carried out during SSB selection procedure. However, any abnormal traits noticed during medical examination will be a cause for rejection."

},

"CommonMedicalConditionsForRejection": [

```

{
  "Category": "Musculo-skeletal deformities",
  "Conditions": [
    "Deformities of spine, chest, and pelvis, limbs e.g., scoliosis, torticollis, kyphosis, deformities of vertebrae, ribs, sternum, clavicle, other bones of skeleton, mal-united fractures, deformed limbs, fingers, toes and congenital deformities of spine.",
    "Deformities of Limbs: Deformed limbs, toes, and fingers, deformed joints like cubitus valgus, cubitus varus, knock knees, bow legs, hypermobile joints, amputated toes or fingers and shortened limbs."
  ]
},
{
  "Category": "Vision and eye",
  "Conditions": [
    "Myopia, hypermetropia, astigmatism, lesions of cornea, lens, retina, squint and ptosis."
  ]
},
{
  "Category": "Hearing, ears, nose, and throat",
  "Conditions": [
    "Sub-standard hearing capability, lesions of pinna, tympanic membranes, middle ear, deviated nasal septum, and congenital abnormalities of lips, palate, peri-auricular sinuses and lymphadenitis/adenopathy of neck.",
    "Hearing capacity should be 610 cm for Conversational Voice and Forced Whispering for each ear."
  ]
},
{
  "Category": "Dental conditions",
  "Conditions": [
    "Incipient pathological conditions of the jaws, which are known to be progressive or recurrent.",
    "Significant jaw discrepancies between upper and lower jaw which may hamper efficient mastication and/or speech will be a cause for rejection.",
    "Symptomatic Temporo-Mandibular Joint clicking and tenderness. A mouth opening of less than 30 mm measured at the incisal edges, Dislocation of the TMJ on wide opening.",
    "All potentially cancerous conditions.",
    "Clinical diagnosis for sub mucous fibrosis with or without restriction of mouth opening.",
    "Poor oral health status in the form of gross visible calculus, periodontal pockets and/or bleeding from gums.",
    "Loose teeth: More than two mobile teeth will render the candidate unfit.",
    "Cosmetic or post-traumatic maxillofacial surgery/trauma will be UNFIT for at least 24 weeks from the date of surgery/injury whichever is later.",
    "If malocclusion of teeth is hampering efficient mastication, maintenance of oral hygiene or general nutrition or performance of duties efficiently."
  ]
},

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{
  "Category": "Chest",
  "Conditions": [
    "Tuberculosis, or evidence of tuberculosis, lesions of lungs, heart, musculo skeletal lesions of chest wall."
  ]
},
{
  "Category": "Abdomen and genito-urinary system",
  "Conditions": [
    "Hernia, un-descended testis, varicocele, organomegaly, solitary kidney, horseshoe kidney & cysts in the kidney/liver, Gall bladder stones, renal and ureteric stones, lesions/deformities of urogenital organs, piles, sinuses and lymphadenitis/pathy."
  ]
},
{
  "Category": "Nervous system",
  "Conditions": [
    "Tremors, speech impediment and imbalance."
  ]
},
{
  "Category": "Skin",
  "Conditions": [
    "Vitiligo, haemangiomas, warts, corns, dermatitis, skin infections growths and hyperhydrosis."
  ]
}
],
{
  "requirements": {
    "health": {
      "body_mass_index": "below 25",
      "waist_circumference": {
        "males": "less than 90 cm",
        "females": "less than 80 cm"
      }
    },
    "biochemical_metabolic_parameters": "within normal limits"
  },

```

```

"height": {
  "male_candidates": {
    "standard": "157 cm or as decided by the respective recruiting agency",
    "exceptions": {
      "Gorkhas": "152 cm",
      "Hills_of_North_Eastern_region_of_India": "152 cm",
      "Garhwal": "152 cm",
      "Kumaon": "152 cm"
    }
  },
  "female_candidates": {
    "standard": "152 cm",
    "exceptions": {
      "Gorkhas": "148 cm",
      "Hills_of_North_Eastern_region_of_India": "148 cm",
      "Garhwal": "148 cm",
      "Kumaon": "148 cm"
    }
  }
},
"investigations": [
  "Complete haemogram",
  "Urine RE",
  "Chest X-ray",
  "USG abdomen and Pelvis"
],

{
  "standards": {
    "vision": {
      "10_2_entries_NDA_Army_TES_equivalent": {
        "uncorrected_vision": "6/36 & 6/36",
        "BCVA": "Rt 6/6 & Lt 6/6",
        "myopia": "< -2.5 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
        "hypermetropia": "< +2.5 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
        "lasik_equivalent_surgery": "Not permitted",

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"colour_perception": "CP-II"
},
"graduate_equivalent_entries_CDSE_IMA_OTA_UES_NCC_TGC_equivalent": {
"uncorrected_vision": "6/60 & 6/60",
"BCVA": "Rt 6/6 & Lt 6/6",
"myopia": "< -3.50 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
"hypermetropia": "<+3.50 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
"lasik_equivalent_surgery": "Permitted",
"colour_perception": "CP-II"
},
"post_graduate_equivalent_entries_JAG_AEC_APS_RVC_TA_AMC_ADC_SL_equivalent": {
"uncorrected_vision": "3/60 & 3/60",
"BCVA": "Rt 6/6 & Lt 6/6",
"myopia": "< -5.50 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
"hypermetropia": "<+3.50 D Sph (including max astigmatism ≤ +/- 2.0 D Cyl)",
"lasik_equivalent_surgery": "Permitted",
"colour_perception": "CP-II"
},
"lasik_equivalent_surgery_requirements": {
"certificate_requirement": "Certificate from the centre where procedure was undergone specifying date and type of surgery",
"fit_criteria": {
"age_more_than_20_years_at_time_of_surgery": true,
"minimum_12_months_post_lasik": true,
"central_corneal_thickness_equal_or_more_than_450_μ": true,
"axial_length_by_IOL_master_equal_or_less_than_26_mm": true,
"residual_refraction_less_or_equal_to_1.0_D_incl_cylinder": true,
"normal_healthy_retina": true,
"corneal_topography_and_ectasia_markers": "Can be included as additional criteria"
},
"radial_keratotomy": "Permanently unfit"
}
},
"med_board_proceedings_form": "AFMSF-2A",
"medical_examination_board_procedure": {
"description": "Medical Examination Board for selection for officers and pre-commissioning training academies are convened at designated Armed Forces Medical Services Hospitals near Service Selection Boards (SSB). These Medical Boards are termed as 'Special Medical Board' (SMB). Candidates who clear SSB interview are referred to Armed Forces Medical Services Hospital with identification documents. Staff Surgeon of Hospital will identify the candidate, guide the candidate to fill the relevant portions of the AFMSF-2, organize investigations and examination by Medical, Surgical, Eye, ENT, Dental specialists. Female candidates are examined by Gynaecology Specialist also. After examination by Specialists, the candidate is brought before Medical Board. Medical Board once satisfied with findings

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of Specialists will declare fitness of candidate. If any candidate is declared 'Unfit' by SMB, such candidates can request for 'Appeal Medical Board' (AMB). Detailed procedure for AMB will be provided by President SMB."

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    },  
    "miscellaneous_aspects": {  
        "clinical_methods_of_examinations": "Laid down by O/O DGAFMS",  
        "female_candidates_examination": "Examined by female medical officers and specialists. In case of non-availability they will be examined by Medical Officer in the presence of female attendant",  
        "fitness_following_surgery": {  
            "description": "Candidates may be declared fit after surgery. However, there should not be any complication; scar should be healthy, well healed and attained required tensile strength. The candidate shall be considered fit after 01 year of open/laparoscopic surgeries for hernia and twelve weeks of laparoscopic abdominal surgery for cholecystectomy. For any other surgery, fitness shall be considered only after 12 weeks of the laparoscopic surgery and 12 months after an open surgery. Candidate shall be unfit for any surgeries for injuries, ligament tear, and meniscus tear of any joint, irrespective of duration of surgery."  
        }  
    }  
},  
  
{  
    "medical_standard_procedure": {  
        "officer_entries_navy": {  
            "procedure_on_conduct_of_medical_boards": [  
                {  
                    "step": 1,  
                    "description": "A candidate recommended by the Services Selection Board (SSB) will undergo a medical examination (Special Medical Board) by a Board of Service Medical Officers. Only those candidates, who are declared fit by the Medical Board, will be admitted to the Academy. However, the President of the Medical Board will intimate the candidates declared unfit of their results and the procedure for an Appeal Medical Board (AMB) to be completed in a Command Hospital or equivalent within 42 days of Special Medical Board."  
                },  
                {  
                    "step": 2,  
                    "description": "Candidates who are declared unfit by the Appeal Medical Board (AMB) may request for Review Medical Board (RMB) within one day of completion of Appeal Medical Board. The President AMB will intimate about the procedure of challenging the findings of AMB. The candidates will also be intimated that sanction for holding of Review Medical Board (RMB) will be granted at the discretion of DGAFMS based on the merit of the case and that RMB is not a matter of right. The candidate should address the request for RMB if he/she so desires to DMPR, Integrated Headquarters Ministry of Defence (Navy), Sena Bhawan, Rajaji Marg, New Delhi – 110011 and a copy of the same is handed over to the President of AMB. O/o DGAFMS will inform the date and place (Delhi and Pune only) where the candidate will appear for a RMB."  
                }  
            ],  
            "mandatory_investigations": [  
                "Complete Haemogram",  
                "Urine RE/ME",  
                "X Ray chest PA view",
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"USG abdomen & pelvis",

"Liver Function Tests",

"Renal Function Tests",

"X Ray Lumbosacral spine, Anterior-Posterior and Lateral views",

"Electrocardiogram (ECG)"
},

"physical_standards_for_officers": {

"description": "The candidate must be physically fit according to the prescribed physical standards.",

"requirements": [

"The candidate must be in good physical and mental health and free from any disease/disability which is likely to interfere with the efficient performance of duties both ashore and afloat, under peace as well as war conditions in any part of the world.",

"There should be no evidence of weak constitution, bodily defects or underweight. The candidate should not be overweight or obese."

]

}

},

{

"medical_standard_procedure": {

"officer_entries_navy": {

"procedure_on_conduct_of_medical_boards": [

{

"step": 1,

"description": "A candidate recommended by the Services Selection Board (SSB) will undergo a medical examination (Special Medical Board) by a Board of Service Medical Officers. Only those candidates, who are declared fit by the Medical Board, will be admitted to the Academy. However, the President of the Medical Board will intimate the candidates declared unfit of their results and the procedure for an Appeal Medical Board (AMB) to be completed in a Command Hospital or equivalent within 42 days of Special Medical Board."

},

{

"step": 2,

"description": "Candidates who are declared unfit by the Appeal Medical Board (AMB) may request for Review Medical Board (RMB) within one day of completion of Appeal Medical Board. The President AMB will intimate about the procedure of challenging the findings of AMB. The candidates will also be intimated that sanction for holding of Review Medical Board (RMB) will be granted at the discretion of DGAFMS based on the merit of the case and that RMB is not a matter of right. The candidate should address the request for RMB if he/she so desires to DMPR, Integrated Headquarters Ministry of Defence (Navy), Sena Bhawan, Rajaji Marg, New Delhi – 110011 and a copy of the same is handed over to the President of AMB. O/o DGAFMS will inform the date and place (Delhi and Pune only) where the candidate will appear for a RMB."

}

],

"mandatory_investigations": [

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"Complete Haemogram",
"Urine RE/ME",
"X Ray chest PA view",
"USG abdomen & pelvis",
"Liver Function Tests",
"Renal Function Tests",
"X Ray Lumbosacral spine, Anterior-Posterior and Lateral views",
"Electrocardiogram (ECG)"

],

"physical_standards_for_officers": {

"description": "The candidate must be physically fit according to the prescribed physical standards.",

"requirements": [

"The candidate must be in good physical and mental health and free from any disease/disability which is likely to interfere with the efficient performance of duties both ashore and afloat, under peace as well as war conditions in any part of the world.",

"There should be no evidence of weak constitution, bodily defects or underweight. The candidate should not be overweight or obese.",

"The minimum and maximum weight for height will be standard for all categories of personnel. Candidates with weight below the minimum specified will not be accepted.",

"Male candidates with weight higher than specified will be acceptable only in exceptional circumstances in case of candidates with documented evidence of body building, wrestling, boxing or muscular build. In such cases, the following criteria are to be met:",

{

"i": "Body Mass Index should not be more than 25.",

"ii": "Waist: Hip Ratio less than 0.9.",

"iii": "All biochemical parameters such as blood sugar Fasting and PP, blood urea, creatinine, cholesterol, HbA1C%, etc are within normal limits."

},

"The fitness can only be given by a Medical Specialist.",

"The minimum acceptable height is 157 cms. However, relaxation in height is permissible to candidates holding domicile of areas as mentioned below and talented sports male candidates:",

{

"tribals_ladakh": "155 cm",

"andaman_nicobar_lakshadweep_minicoy": "155 cm",

"gorkhas_nepali_assamese_garwali_kumaoni_uttrakhand": "152 cm",

"bhutan_sikkim_north_east": "152 cm",

"extra_talented_sports": "155 cm"

}

]

},

"principal_points_ensured_during_medical_examination": [

"The candidate is sufficiently intelligent.",

"The hearing is good and that there is no sign of any disease of ear, nose or throat.",

"Vision in either eye is up to the required standard. His/her eyes are bright, clear and with no obvious squint or abnormality. Movements of eye balls should be full and free in all directions.",

"Speech is without impediment.",

"There is no glandular swelling.",

"Chest is well formed and that his/her heart and lungs are sound.",

"Limbs of the candidates are well formed and fully developed.",

"There is no evidence of hernia of any degree or form.",

"There is free and perfect action of all the joints.",

"Feet and toes are well formed.",

"Absence of any congenital malformation or defects.",

"He/she does not bear traces of previous acute or chronic disease pointing to an impaired constitution.",

"Presence of sufficient number of sound teeth for efficient mastication.",

"Absence of any disease of the Genito-Urinary tract."

],

"major_defects_for_rejection": [

"Weak constitution, imperfect development, congenital malformation, muscular wasting.",

"Malformation of the head including deformity from fracture or depression of the bones of the skull.",

{

"scoliosis": {

"description": "Assessment of Scoliosis. Cobb's angle of 15 degrees at Lumbar Spine and 20 degrees at Dorsal Spine will be the cut-off limits for scoliosis. Scoliosis will be declared Unfit if deformity exists on full flexion of the spine with restriction of range of movements or due to organic defect causing structural abnormality."

}

},

"Skeletal deformity either hereditary or acquired and disease or impairment of function of bones or joints.",

"Asymmetry of torso or limbs, abnormality of locomotion including amputation.",

"Deformity of feet and toes.",

{

"hyperextensible_finger_joints": {

"description": "All candidates shall be thoroughly examined for hyper-extensible finger joints. Any extension of fingers bending backwards beyond 90 degrees shall be considered hyper-extensible and considered unfit. Other joints like Knee, Elbow, Spine and Thumb shall also be examined carefully for features of hyper laxity/hypermobility. Although the individual may not show features of hyper laxity in other joints, isolated presentation of hyper extensibility of finger joints shall be considered unfit because of the various ailments that may manifest later if such candidates are subjected to strenuous physical training.",

"conditions": [

{

"mallet_finger": {

"description": "Loss of extensor mechanism at the distal interphalangeal joint leads to Mallet finger. Chronic mallet deformity can lead to secondary changes in the PIP and MCP joint which can result in compromised hand function. Normal range of movement at DIP joints is 0-80 degree and PIP joint is 0-90 degrees in both flexion and extension. In Mallet finger, candidate unable to extend/ straighten distal phalanx of fingers completely.",

"mild_condition": "Candidates with mild condition i.e., less than 10 degrees of extension lag without any evidence of trauma, pressure symptoms and any functional deficit should be declared Fit.",

"fixed_deformity": "Candidates with fixed deformity of fingers will be declared Unfit."

}

},

"Polydactyly. Can be assessed for fitness 12 weeks post-op. Can be declared fit if there is no bony abnormality (X-Ray), wound is well healed and scar is supple.",

"Simple Syndactyly. Can be assessed for fitness 12 weeks post op. Can be declared fit if there is no bony abnormality (X-Ray), wound is well healed and scar is supple.",

"Complex Syndactyly. Unfit",

"Polymazia. Can be assessed for fitness 12 weeks post-op.",

"Hyperostosis Frontalis Interna. Will be considered fit in the absence of any other metabolic abnormality.",

{

"healed_fractures": {

"description": "Healed Fractures.",

"conditions": [

"All intra-articular fractures especially of major joints (Shoulder, elbow, wrist, hip, knee and ankle) with or without surgery, with or without implant shall be considered unfit.",

"All extra-articular injuries with post-operative status with or without implant shall be considered unfit.",

"All extra-articular injuries of long bones which have been managed conservatively shall be thoroughly evaluated clinically for soft tissue involvement, crush component, alignment, mal-union/ non-union or any miscellaneous causes which can later on present with a disability on being subjected to physical stress shall be considered unfit if found so. However, the fitness of a candidate in whom the fracture has consolidated well and remodelled after conservative treatment with no evidence of mal-alignment, shortening, soft tissue involvement etc. shall be at the discretion of Surgical Specialist or Medical Board."

]

}

},

"Cubitus Recurvatum. >10 degrees is Unfit",

{

"cubitus_valgus": {

"description": "Cubitus Valgus.",

"measurement": {

"method": "Measurement of Carrying Angle. The carrying angle at the elbow is assessed conventionally with the elbow in full extension using a protractor goniometer to measure the axes from the surface margin of the arm and forearm. However, variations in the development of the soft tissues in the arm and forearm generally lead to inconsistencies in the measured results. So far, there is no uniform method to measure the carrying angle of the elbow. However, measuring the carrying angle of the elbow through identification of bony landmarks on the acromion, medial and lateral epicondyles of the humerus, and the distal radial and ulnar styloid processes is recommended. Carrying angle is measured by a manual goniometer with two drawing axes of the arm and forearm. The axis of the arm is defined by the lateral border of the cranial surface of the acromion to the midpoint of the lateral and medial epicondyles of the humerus. The axis of the forearm is defined by the midpoint of the lateral and medial epicondyles of the humerus to the midpoint of the distal radial and ulnar styloid processes.",

"clinical_diagnosis": "Cubitus valgus should be primarily a clinical diagnosis.",

"indications": [

"History of trauma",

"Scar around elbow",

```

    "Asymmetry of angles",
    "Distal neurovascular deficit",
    "Restricted range of motion",
    "If deemed necessary by Orthopaedic Surgeon"
  ]
}
},
{
  "hyperextension_at_elbow_joint": {
    "description": "Individuals can have naturally hyperextended elbow. This condition is not a medical problem, but can be a cause of fracture or chronic pain especially considering the stress and strains military population is involved in. Also, the inability to return the elbow to within 10 degrees of the neutral position is impairment in the activities of daily living.",
    "measurement_modality": "Measured using a Goniometer",
    "normal_extension": "Normal elbow extension is 0 degrees. Up to 10 degrees of hyperextension is within normal limits if the patient has no history of trauma to the joint. Anyone with hyperextension more than 10 degree should be unfit."
  }
}
},
{
  "eye": {
    "deformity_or_morbid_condition": "liable for aggravation or recurrence",
    "manifest_squint": "any degree",
    "active_trachoma": "or its complication or sequelae",
    "visual_acuity_below_prescribed_standards": "",
    "visual_standards_for_cdse_entry": {
      "uncorrected_vision": "6/12 6/12",
      "corrected_vision": "6/6 6/6",
      "limits_of_myopia": "-1.0 D Sph",
      "limits_of_hypermetropia": "+2.0 D Cyl",
      "astigmatism": "±1.0 Sph / Cyl",
      "binocular_vision": "III",
      "colour_perception": "I"
    }
  }
}

```

```

},

"kerato_refractive_surgery": {

    "acceptable_for_all_branches_except": ["submarine", "diving", "MARCO"],

    "conditions": [

        "Surgery should not have been carried out before 20 years of age.",

        "Uncomplicated surgery at least 12 months before examination (Certificate mentioning the type of refractive surgery, date of surgery, and pre-operative refractive error from the concerned eye centre is to be produced by the candidate at the time of recruitment medical examination).",

        "Post LASIK Standards: Candidate will be considered fit if Axial Length by IOL Master is equal to or less than 26 mm and Central Corneal Thickness is equal to or more than 450 microns.",

        "Residual refraction less than or equal to +1.0 D Sph or Cyl, provided within the permissible limit for the category applied for. However, for Pilot and Observer entries, the residual refraction should be nil.",

        "Pre-operative refractive error not more than +/- 6.0 D.",

        "Normal retinal examination."

    ],

    "not_acceptable_for_special_cadres": ["submarine", "diving", "MARCO"],

    "radial_keratotomy": "permanently unfit for all branches"

},

"ptosis": {

    "post_operative": "Candidate will be considered fit provided there is no recurrence one year after surgery, visual axis is clear with normal visual fields, and upper eyelid is 02 mm below the superior limbus.",

    "criteria_for_non_surgery": [

        "Mild ptosis",

        "Clear visual axis",

        "Normal visual field",

        "No sign of aberrant degeneration/ head tilt"

    ]

},

"exotropia": "Unfit",

"anisocoria": "If size difference between the pupils is >01mm, candidate will be considered unfit.",

"heterochromia_iris": "Unfit",

"sphincter_tears": "Can be considered fit if size difference between pupils is <01mm, pupillary reflexes are brisk with no observed pathology in cornea, lens or retina.",

"pseudophakia": "Unfit",

"lenticular_opacities": {

    "description": "Any lenticular opacity causing visual deterioration, or is in the visual axis or is present in an area of 07 mm around the pupils, which may cause glare phenomenon, should be considered Unfit. The propensity of the opacities not to increase in size or number should also be a consideration when deciding fitness.",

    "small_stationary_opacities": "Small stationary lenticular opacities in the periphery like congenital blue dot cataract, not affecting the visual axis/ visual field may be considered by specialist (Should be less than 10 in number and central area of 04 mm to be clear).",

},

"optic_nerve_drusen": "Unfit",

```

"high_cup_disc_ratio": "Candidate will be considered fit if the ratio is <0.2 with normal visual fields with no other evidence of glaucoma. Candidates with high cup disc ratio (>0.2)/Abnormal RNFL study/Visual Field Defect detected by Visual Field Analyzer will be considered Unfit.",

"keratoconus": "Unfit",

"lattice": {

"unfit_conditions": [

"Single circumferential lattice extending more than two clock in either or both eyes.",

"Two circumferential lattices each more than one clock hour in extent in either or both eyes.",

"Radial lattices.",

"Any lattice with atrophic hole/ flap tears (Unlasered).",

"Lattice degenerations posterior to equator."

],

"fit_conditions": [

"Single circumferential lattice without holes of less than two clock hours in either or both eyes.",

"Two circumferential lattices without holes each being less than one clock hour in extent in either or both eyes.",

"Post Laser delimitation single circumferential lattice, without holes/ flap tear, less than two clock hours extent in either or both eyes.",

"Post Laser delimitation two circumferential lattices, without holes/ flap tear, each being less than one clock hour extent in either or both eyes."

]

}

},

"ear_nose_and_throat": {

"ear": {

"unfit_conditions": [

"History of recurrent ear ache, tinnitus or vertigo.",

"Impairment of hearing.",

"Disease of the external meatus including atresia, exostosis or neoplasm which prevent a thorough examination of the drum.",

"Unhealed perforation of the tympanic membrane.",

"Aural discharge or sign of acute or chronic suppurative otitis media.",

"Evidence of radical or modified radical mastoid operation."

],

"hearing_test": "A candidate should be able to hear forced whisper at a distance of 610 cms with each ear separately with back to the examiner.",

"otitis_media": {

"current": "Current Otitis Media of any type will entail rejection.",

"healed": "Evidence of healed chronic otitis media in the form of tympanosclerosis/ scarred tympanic membrane affecting less than 50% of Pars Tensa of tympanic membrane will be assessed by ENT Specialist and will be acceptable if Pure Tone Audiometry (PTA) and Tympanometry are normal. Healed healthy scar (Dimeric Tympanic Membrane or cartilage) of the Neo-Tympanic Membrane involving less than 50% of Pars Tensa due to Type 1 Tympanoplasty (tympanic membrane repair with or without cartilage)/ Myringoplasty (with or without intact cortical mastoidectomy) for Chronic Otitis Media (mucosal type) and Myringotomy (for Otitis Media with Effusion) may be accepted after minimum period of 1 year post surgery if PTA and tympanometry are normal."

},

```

"unfit_conditions_healed_otitis_media": [
    "Residual perforation.",
    "Residual hearing loss on Free Field Hearing and/or PTA.",
    "Any other type of tympanoplasty (other than Type 1 Tympanoplasty) or middle ear surgery (including ossiculoplasty, stapedotomy, canal wall down mastoidectomy, atticotomy, atticoantrostomy etc).",
    "Any implanted hearing device (eg. cochlear implant, bone conduction implant, middle ear implants etc)."
]
}
},
{
    "Eye": {
        "Deformity or morbid condition": "liable for aggravation or recurrence",
        "Manifest squint": "any degree",
        "Active trachoma": "complication or sequelae",
        "Visual acuity": "below prescribed standards",
        "Visual standards for CDSE entry": {
            "Uncorrected Vision": "6/12 6/12",
            "Corrected Vision": "6/6 6/6",
            "Limits of Myopia": "-1.0 D Sph",
            "Limits of Hypermetropia": "+2.0 D Cyl",
            "Astigmatism": "±1.0 Sph / Cyl",
            "Binocular Vision": "III",
            "Colour Perception": "I"
        },
        "Kerato Refractive Surgery": {
            "conditions": {
                "Surgery age": "not carried out before 20 yrs of age",
                "Uncomplicated surgery": "at least 12 months before examination",
                "Certificate required": "type of refractive surgery, date of surgery, pre-operative refractive error",
                "Post LASIK Standards": {
                    "Axial Length": "equal to or less than 26 mm",
                    "Central Corneal Thickness": "equal to or more than 450 microns"
                },
                "Residual refraction": "less than or equal to +1.0 D Sph or Cyl, provided within permissible limit",
                "Pilot and Observer entries": "residual refraction should be nil",
                "Pre-operative refractive error": "not more than +/- 6.0 D",
                "Normal retinal examination": "required"
            }
        }
    }
}

```

```

    }

},

"Kerato-Refractory Surgery unacceptable": "submarine, diving and MARCO cadres",

"Radial Keratotomy": "permanently unfit for all branches",

"Ptosis": {

    "post-operative fit": "no recurrence one year after surgery, clear visual axis, normal visual fields, upper eyelid 02 mm below superior limbus",

    "non-operative fit": ["Mild ptosis", "Clear visual axis", "Normal visual field", "No sign of aberrant degeneration/ head tilt"]

},

"Exotropia": "Unfit",

"Anisocoria": "size difference between pupils >01mm, Unfit",

"Heterochromia Iridum": "Unfit",

"Sphincter Tears": "Fit if size difference <01mm, brisk pupillary reflexes, no pathology in cornea, lens or retina",

"Pseudophakia": "Unfit",

"Lenticular Opacities": "causing visual deterioration, in visual axis, present in 07 mm area around pupils, Unfit",

"Optic Nerve Drusen": "Unfit",

"High Cup Disc Ratio": "Fit if ratio <0.2, normal visual fields, no glaucoma",

"Keratoconus": "Unfit",

"Lattice": {

    "Unfit conditions": ["Single circumferential lattice > two clock hours in either or both eyes", "Two circumferential lattices each > one clock hour in extent in either or both eyes", "Radial lattices", "Any lattice with atrophic hole/ flap tears (Unlasered)", "Lattice degenerations posterior to equator"],

    "Fit conditions": ["Single circumferential lattice without holes < two clock hours in either or both eyes", "Two circumferential lattices without holes each < one clock hour in extent in either or both eyes", "Post Laser delimitation single circumferential lattice, without holes/ flap tear, < two clock hours extent in either or both eyes", "Post Laser delimitation two circumferential lattices, without holes/ flap tear, each < one clock hour extent in either or both eyes"]

}

},

"Ear, Nose and Throat": {

    "Ear": {

        "History": "recurrent ear ache, tinnitus or vertigo, impairment of hearing",

        "Disease of external meatus": "atresia, exostosis, neoplasm preventing thorough examination of drum, unhealed perforation of tympanic membrane, aural discharge, acute or chronic suppurative otitis media, radical or modified radical mastoid operation",

        "Hearing standard": "forced whisper at a distance of 610 cms with each ear separately with back to examiner",

        "Otitis Media": {

            "Current Otitis Media": "rejection",

            "Healed chronic otitis media": {

                "conditions": ["tympanosclerosis/scarred tympanic membrane affecting <50% of Pars Tensa of tympanic membrane assessed by ENT Specialist acceptable if PTA and Tympanometry are normal", "Healed healthy scar (Dimeric Tympanic Membrane or cartilage) involving <50% of Pars Tensa due to Type 1 Tympanoplasty/Myringoplasty for Chronic Otitis Media (mucosal type) and Myringotomy (for Otitis Media with Effusion) accepted after minimum 1 year post surgery if PTA and tympanometry are normal"]

            }

        }

    }

},

```

"Unfit conditions": ["Residual perforation", "Residual hearing loss on Free Field Hearing and/or PTA", "Any other type of tympanoplasty (other than Type 1 Tympanoplasty) or middle ear surgery (including ossiculoplasty, stapedotomy, canal wall down mastoidectomy, atticotomy, atticoantrostomy etc)", "Any implanted hearing device (eg. cochlear implant, bone conduction implant, middle ear implants etc)"]

}

},

"Bony Growth of External Auditory Canal": {

"clinically evident": "exostosis, osteoma, fibrous dysplasia etc. Unfit",

"operated cases assessment": "after minimum period of 4 weeks with post-surgery histopathology report and HRCT temporal bone mandatory. Suggestive of neoplasia or partial removal or deep extension entails rejection"

},

"Nose": {

"Disease": ["bones or cartilages of the nose", "marked nasal allergy", "nasal polyps", "atrophic rhinitis", "disease of the accessory sinuses and nasopharynx"],

"Septal Deformity": {

"acceptable": "simple nasal deformity not causing disfigurement, minor septal deviation not interfering with nasal airway, small traumatic septal perforation which are asymptomatic",

"rejection": ["septal perforation >01 cm in greatest dimension", "septal perforation with nasal deformity, nasal crusting, epistaxis, granulation irrespective of size"]

},

"Nasal Polyposis": "history or presence of nasal polyps leads to rejection"

},

"Throat": {

"Disease": ["throat palate", "tongue", "tonsils", "gums", "disease or injury affecting normal function of mandibular joints"],

"Note": "Simple hypertrophy of the tonsils without associated history of attacks of tonsillitis is acceptable",

"Disease of the larynx": "impediment of speech",

"Voice": "normal",

"Pronounced stammer": "not accepted"

}

},

"Dental Condition": {

"Minimum dental points": "14 dental points",

"Dental points allocation": {

"Central incisor, lateral incisor, canine, 1st Premolar, 2nd Premolar, under developed third molar": "1 point each",

"1st molar, 2nd molar, fully developed 3rd molar": "2 points each",

"Total count with all 32 teeth present": "22 or 20 points according to third molars development"

},

"Functional apposition": ["Any 4 of the 6 anteriors", "Any 6 of the 10 posteriors"],

"Pyorrhea": "severe pyorrhea leads to rejection",

"Artificial dentures": "not included in dental points count"

},

"Neck": {

"Enlarged glands": ["tubercular", "other diseases in neck or other parts of body"],

"Scars": "of operations for removal of tubercular glands not a cause for rejection if no active disease within preceding five years and chest clinically and radiologically clear",

"Disease of thyroid gland": "cause for rejection"

},

"Chest": {

"criteria for rejection": ["Deformity of chest", "Expansion less than 5 cms", "Significant bilateral/unilateral Gynaecomastia in males can be evaluated for fitness 12 weeks post-op"]

},

"Skin and Sexually Transmitted Infection (STI)": {

"Skin disease": "unless temporary or trivial",

"Scars": "by extent or position causing or likely to cause disability/ or marked disfigurement",

"Hyperhydrosis": ["Palmar", "plantar", "axillary"],

"Congenital, active or latent STI": "cause for rejection",

"Old healed scar": "over groin or penis/vagina suggestive of past STI, blood tested for STI (Including HIV) to exclude latent STI"

},

"Respiratory System": {

"History": ["chronic cough", "Bronchial Asthma"],

"Evidence": ["pulmonary Tuberculosis", "diseases of bronchi, lungs or pleurae detected on radiological examination of chest"],

"X-Ray examination": {

"circumstances": ["On entry into service as a cadet or direct entry", "At time of grant of permanent commission in case of short service commissioned officer"]

}

},

"Cardio-Vascular System": {

"Functional or organic disease": "heart or blood vessels, presence of murmurs or clicks on auscultation",

"Tachycardia": "Pulse Rate persistently over 96/min at rest",

"Bradycardia": "Pulse Rate persistently below 40/min at rest",

"Blood Pressure": "consistently greater than 140/90mm Hg",

"24 hour Ambulatory Blood Pressure Monitoring (24 h ABPM)": "to differentiate between white coat hypertension and persistent hypertension",

"Cardiologist evaluation": "required if persistent hypertension detected",

"Electrocardiogram (ECG)": "Any ECG abnormality detected at SMB will be a ground for rejection",

"Benign ECG abnormalities": {

"evaluation": ["incomplete RBBB", "T wave inversion in inferior leads", "T inversion in V1-V3 (persistent juvenile pattern)", "LVH by voltage criteria (due to thin chest wall)"],

"normal echocardiography and stress tests": "individual can be considered fit"

}

},

"Abdomen": {

"Evidence": ["disease of the gastro-intestinal tract", "enlargement of liver, gall bladder or spleen", "tenderness on abdominal palpation", "evidence/history of peptic ulcer or previous history of extensive abdominal surgery"],

"Ultra Sound Examination": "required for all officer entry candidates",

"Post-op Assessment": {

"Hernia": {

"conditions": ["24 weeks have elapsed since the operation for Anterior Abdominal Wall hernia", "Documentary proof required", "General tone of abdominal musculature is good", "No recurrence of hernia or any complication connected with operation"]

},

"Other Conditions": {

"conditions": ["Open Cholecystectomy (24 weeks)", "Laparoscopic Cholecystectomy (08 weeks)", "Appendicectomy (04 weeks)", "Pilonidal Sinus (12 weeks)", "Fistula-in-Ano, Anal Fissure and Grade IV Hemorrhoids (12 weeks)", "Hydrocele and Varicocele (08 weeks)"]

}

},

"Fistula in anus, anal fissures and Hemorrhoids": "unless satisfactory treatment has been carried out",

"Agenesis of Gall Bladder": "fit in absence of any other abnormality of biliary tract. MRCP required for all such cases"

},

"Genito-Urinary System": {

"Evidence": "disease of genital organs",

"Bilateral undescended testis": "unless corrected by operation",

"Unilateral undescended testis": "retained in inguinal canal or at external abdominal ring unless corrected by operation",

"Note": "Absence of one testis not a cause for rejection unless removed on account of disease or absence has affected physical or mental health",

"Disease or malformation": "kidneys or urethra",

"Incontinence of urine and nocturnal enuresis": "cause for rejection",

"Abnormality on examination of urine": ["albuminuria", "glycosuria"],

"Criteria for rejection": {

"Renal Calculi": "Irrespective of size, numbers, obstructive or non-obstructive. History of renal calculi (History or radiological evidence) will render a candidate Unfit",

"Calycecdasis": "cause for rejection",

"Bladder Diverticulum": "cause for rejection",

"Simple Renal Cyst": ">1.5 cm cause for rejection"

}

},

"Central Nervous System": {

"Organic disease": "cause for rejection",

"Tremors": "cause for rejection",

"History": ["fits", "recurrent attacks of headache/migraine"]

},

"Psychiatric Disorders": {

"History or evidence": "mental disease or nervous instability in candidate or family"

},

"Lab Investigation (Hematology)": {

"Polycythemia": "Hemoglobin more than 16.5g/dL in males and more than 16g/dL in females deemed Unfit",

"Monocytosis": "Absolute monocyte counts greater than 1000/cu mm or more than or equal to 10% of total WBC counts deemed Unfit",

"Eosinophilia": "Absolute eosinophil counts greater than or equal to 500/cu mm deemed Unfit"

},

"Acceptable Defects on Entry": {

"criteria": ["Knock Knees with separation of less than 5 cm at internal malleoli", "Mild curvature of legs not affecting walking or running. Intercondylar distance not over 7 cm", "Mild stammering not affecting expression", "Mild degree of varicocele", "Mild degree of varicose veins"],

"Note": "Remedial operations wherever required are to be performed prior to entry. No guarantee about ultimate acceptance and decision whether an operation is desirable or necessary to be made by private medical advisor. Government accepts no liability regarding result of operation or any expenses incurred",

"Other slight defect": "producing no functional disability and in opinion of medical officer/medical board not interfering with individual's efficiency as an officer"

}

},

{

"Air Force": {

"Medical Standards and Procedure of Medical Examination for Officer Entries": {

"General Instructions": [

"Standardized guidelines for the physical assessment of candidates for commissioning through CDSE into flying branch in the IAF are elaborated. The purpose is to lay down uniform physical standards and to ensure that candidates are free of health conditions that may hamper or limit their performance in the respective branch.",

"All candidates during their induction should meet the basic physical fitness standards which will enable them to proficiently undergo the training and the subsequent service in varied climatic and work environments. A candidate will not be assessed physically fit unless the complete examination shows that he/ she is physically and mentally capable of withstanding the severe physical and mental strain for prolonged periods. The requirements of medical fitness are essentially the same for all branches, except for aircrew in whom the parameters for visual acuity, anthropometry and certain other physical standards are more stringent.",

"The results of initial examination are recorded on AFMSF – 2. The complete medical examination consists of: (a) A questionnaire, which is to be carefully and truthfully completed by the candidate and countersigned by the examining medical officer. The importance of all aspects of the questionnaire, including the legal aspect, should be emphasised to all the candidates. Any subsequent detection of disability or revelation of a significant past history, not declared earlier, may lead to disqualification at any stage prior to commissioning. USG abdomen would be conducted for all candidates and cadets during medical examination prior to commissioning. (b) A complete medical and surgical examination including dental examination. (c) An ophthalmic examination. (d) An examination of the ear, nose and throat.",

"The medical standards spelt out pertain to initial entry medical standards. Continuation of medical fitness during training will be assessed during the periodic medical examinations held at AFA prior to commissioning.",

"Medical standards described in the following paragraphs are general guidelines. They are not exhaustive, in view of the vast spectrum of diseases. These standards are subject to change with the advancement in the scientific knowledge and change in working conditions of Armed Forces.",

"Mandatory Lab and Radiological Investigations: (a) Hematology: Complete Hemogram. (b) Biochemistry: Liver function tests, Renal Function tests. (c) Urine RE and ME. (d) Radiology: USG abdomen and Pelvis, X-ray chest PA view, X-ray LS Spine, AP and Lateral views. (e) ECG."

},

"General Physical Assessment": [

"Every candidate, to be fit for the Air Force, must conform to the minimum standards laid down in the succeeding paragraphs. The physical parameters should fall within the acceptable ranges and should be proportionate.",

"The residual effects of old fractures/ injuries are to be assessed for any functional limitation. If there is no effect on function, the candidate can be assessed fit.",

"Following categories should be meticulously assessed: (a) Spine injuries. Cases of old fractures of spine are unfit. Any residual deformity of spine or compression of a vertebra will be cause for rejection. (b) Nerve injuries. Injuries involving the trunks of the larger nerves, resulting in loss of function, or neuroma formation, which causes pain significant tingling, indicate unsuitability for employment in flying duties. (c) Keloids. The presence of large or multiple keloids will be a cause for rejection.",

"(a) Surgical Scars. Minor well-healed scars for e.g. as resulting from any superficial surgery do not, per se, indicate unsuitability for employment. Extensive scarring of a limb or torso that may cause functional limitation or unsightly appearance should be considered unfit. (b) Birth Marks. Abnormal pigmentation in the form of hypo or hyperpigmentation is not acceptable. Localized, congenital mole/ naevus, however, is acceptable provided its size is <10 cm. Congenital multiple naevi or vascular tumours that interfere with function or are exposed to constant irritation are not acceptable. (c) Subcutaneous Swellings. Lipoma will be considered fit unless the lipoma is causing significant disfigurement/ functional impairment due to the size/ location. Neurofibroma, if single will be considered fit. Multiple neurofibromas associated with significant Café-au-lait spots (more than 1.5 cm size or more than one in number) will be considered unfit.",

"Cervical rib without any neuro-vascular compromise will be accepted. Meticulous clinical examination to rule out neuro-vascular compromise should be performed in such cases. This should be documented in the Medical Board proceedings.",

"Asymmetry of the face and head or uncorrected deformities of skull, face or mandible which will interfere with proper fitting of oxygen mask, helmet or military headgear will be considered unfit. Major deformities even after corrective surgery will be considered unfit.",

"A candidate who has undergone an abdominal operation involving extensive surgical intervention or partial/ total excision of any organ is, as a rule, unfit for service. Operation involving the cranial vault with any residual bony defect will be unfit. Major thoracic operations will make the candidate unfit."

],

"Measurements and Physique": [

"The shape of the chest is as important as its actual measurement. The chest should be well proportioned and well developed. Any chest deformity likely to interfere with physical exertion during training and performance of military duties or adversely impact military bearing or are associated with any cardiopulmonary or musculoskeletal anomaly are to be considered unfit. Minimum recommended chest circumference for cadets is 77 cm. The chest expansion should be at least 05 cm for all candidates. For the purpose of documentation, any decimal fraction lower than 0.5 cm will be ignored, 0.5 cm will be recorded as such and 0.6 cm and above will be recorded as 1 cm.",

"Minimum height for Flying Branch will be 162.5 cm. Acceptable measurements of leg length, thigh length and sitting height for such aircrew will be as under: (a) Sitting height Minimum - 81.5 cm Maximum - 96.0 cm (b) Leg Length Minimum - 99.0 cm Maximum - 120.0 cm (c) Thigh Length Maximum - 64.0 cm. The minimum height for entry into ground duty branches will be 157.5 cm. For Gorkhas and individuals belonging to North-Eastern regions of India and hilly regions of Uttarakhand, the minimum acceptable height will be 5 cm less (152.5 cm). In case of candidates from Lakshwadweep the minimum acceptable height can be reduced by 2 cm (155.5 cm).",

"(a) Male Candidates (except NDA candidates). Ideal weight relative to age and height is given in Appendix 'A' to this notification. The weight will be rounded off to the nearest 0.5 kg. The maximum permissible variation from the ideal body weight is ± 1 SD. (b) For in-service candidates the criteria of body weight applicable to serving personnel will be used. Weights higher than the prescribed limit will be acceptable only in exceptional circumstances in case of those candidates where there is documented evidence of bodybuilding, wrestling and boxing. However, in such cases, the following criteria will have to be met: (a) BMI should be below 27. (b) Waist Hip ratio should be below 0.9 for males and 0.8 for females. (c) Waist circumference should be less than 94 cm for males and 89 cm for females. (d) All biochemical metabolic parameters should be within normal limits."

]

}

}

},

{

"cardiovascular_system": {

"history": [

```
"chest pain",
"breathlessness",
"palpitation",
"fainting attacks",
"giddiness",
"rheumatic fever",
"ankle swelling",
"chorea",
"frequent sore throats",
"tonsillitis"
],
"pulse": {
  "parameters": [
    "rate",
    "rhythm",
    "volume",
    "tension",
    "regularity",
    "arterial wall condition"
  ],
  "normal_pulse_rate": "60-100 bpm",
  "assessment_duration": "one full minute",
  "arteries_to_compare": [
    "radial",
    "femoral"
  ],
  "other_pulsations": [
    "carotid",
    "popliteal",
    "posterior tibial",
    "dorsalis pedis"
  ],
  "unfit_conditions": {
    "sinus_tachycardia": "> 100 bpm",
    "sinus_bradycardia": "< 60 bpm",
    "physiological_bradycardia": "fit after evaluation"
  }
},
```

```
"blood_pressure": {
  "unfit_condition": "BP consistently > 140/90 mm Hg",
  "additional_tests": [
    "24 hour ambulatory blood pressure monitoring (24 h ABPM)",
    "evaluation by cardiologist"
  ]
},
"cardiac_murmurs": {
  "unfit_condition": "Evidence of organic cardiovascular disease",
  "diastolic_murmurs": "invariably organic",
  "short_systolic_murmurs": "often functional if associated with normal ECG and chest radiograph"
},
"ecg": {
  "unfit_condition": "Any ECG abnormality detected at SMB",
  "evaluation": [
    "echocardiography for structural abnormality",
    "stress test if deemed necessary",
    "evaluation by cardiologist"
  ],
  "benign_ecg_abnormalities": [
    "incomplete RBBB",
    "T wave inversion in inferior leads",
    "T inversion in V1-V3 (persistent juvenile pattern)",
    "LVH by voltage criteria (due to thin chest wall)"
  ]
},
"cardiac_surgery_and_interventions": "unfit condition"
},
"respiratory_system": {
  "history": [
    "pulmonary tuberculosis",
    "pleurisy with effusion",
    "frequent episodes of expectorant cough",
    "haemoptysis",
    "frequent episodes of bronchitis",
    "asthma",
    "spontaneous pneumothorax",
    "injuries to the chest"
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],
"additional_tests": [
  "Spirometry/ Peak Expiratory Flow Rate",
  "X Ray/ CT chest/ Immunological tests"
],
"pulmonary_tuberculosis": {
  "unfit_condition": "Any residual scarring in pulmonary parenchyma or pleura",
  "old_treated_cases": "fit if diagnosis and treatment was completed more than two years earlier"
},
"pleurisy_with_effusion": "unfit condition if significant residual pleural thickening",
"bronchitis": "unfit if history of repeated attacks of cough/ wheezing/ bronchitis",
"bronchial_asthma": "unfit if history of repeated attacks of bronchial asthma/ wheezing/ allergic rhinitis",
"radiographs_of_the_chest": "unfit if definite radiological evidence of disease of the lungs, mediastinum, and pleurae",
"thoracic_surgery": "unfit if history of any resection of the lung parenchyma",
"other_major_thoracic_surgery": "considered on a case to case basis"
},
"gastrointestinal_system": {
  "history": [
    "ulceration or infection of the mouth, tongue, gums or throat",
    "major dental alteration",
    "heartburn",
    "recurrent dyspepsia",
    "peptic ulcer-type pain",
    "chronic diarrhoea",
    "jaundice or biliary colic",
    "indigestion",
    "constipation",
    "bleeding PR",
    "any abdominal surgery"
  ],
  "bladder_diverticulum": "unfit condition",
  "head_to_toe_examination": {
    "signs_of_liver_cell_failure": [
      "loss of hair",
      "parotidomegaly",
      "spider naevi",
      "gynaecomastia",
      "testicular atrophy",

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    "flapping tremors"
  ],
  "evidence_of_malabsorption": [
    "pallor",
    "nail and skin changes",
    "angular cheilitis",
    "pedal edema"
  ],
  "condition_of_oral_mucosa_gums": "noted",
  "restriction_of_mouth_opening": "noted"
},
"gastro_duodenal_disabilities": {
  "unfit_condition": "suffering or have suffered during the previous one year from symptoms suggestive of acid-peptic disease including proven peptic ulcers",
  "past_surgical_procedure": "unfit if involving partial or total loss of an organ (other than vestigial organs/ gall bladder)"
},
"diseases_of_the_liver": {
  "unfit_condition": [
    "viral hepatitis or any other form of jaundice",
    "recurrent jaundice",
    "hyperbilirubinemia of any nature"
  ],
  "fit_condition": "after a minimum period of 6 months has elapsed, full clinical recovery, HBV and HCV status negative, and liver functions are within normal limits"
},
"disease_of_the_spleen": "unfit condition if undergone partial/ total splenectomy",
"hernia": {
  "unfit_condition": "any abdominal wall hernia",
  "fit_condition": "with a well-healed surgical scar, after 06 months of either open or laparoscopic repair, no evidence of recurrence, and good abdominal wall musculature"
},
"abdominal_surgery": {
  "fit_condition": [
    "well-healed scar after conventional abdominal surgery, considered fit after one year of successful surgery",
    "no potential for any recurrence of the underlying pathology",
    "no evidence of incisional hernia",
    "good condition of the abdominal wall musculature",
    "after laparoscopic cholecystectomy, 08 weeks after surgery, asymptomatic, normal evaluation including LFT and USG abdomen",

```


"other abdominal laparoscopic procedures can be considered fit after 08 weeks of surgery, asymptomatic, complete recovery, no residual complication or evidence of recurrence"

]

},

"anorectal_conditions": {

"fit": [

"only external skin tags",

"after rectal surgery for polyps, haemorrhoids, fissure, fistula, or ulcer, no residual/ recurrent disease",

"after Anal Fissure surgery: Gd IV Hemorrhoids: 12 weeks",

"Pilonidal Sinus: After 12 weeks of surgery"

],

"unfit": [

"rectal prolapse even after surgical correction",

"active anal fissure",

"haemorrhoids (external or internal)",

"anal fistula",

"anal or rectal polyp",

"anal stricture",

"faecal incontinence"

]

},

"ultrasonography_of_abdomen": {

"liver": {

"fit": [

"normal echo-anatomy of the liver, CBD, IHBR, portal and hepatic veins with liver span not exceeding 15 cm in the mid-clavicular line",

"solitary simple cyst (thin wall, anechoic) up to 2.5 cm diameter, normal LFT, hydatid serology negative",

"hepatic calcifications fit if solitary and less than 1 cm with no evidence of active disease like tuberculosis, sarcoidosis, hydatid disease or liver abscess"

],

"unfit": [

"hepatomegaly more than 15 cm in mid-clavicular line",

"fatty liver – Grade 2 and 3, grade 1 in presence of abnormal LFT",

"solitary cyst > 2.5 cm",

"solitary cyst of any size with thick walls, septations, papillary projections, calcifications, and debris",

"multiple hepatic calcifications or cluster > 1 cm",

"multiple hepatic cysts of any size",

"any haemangioma irrespective of the size and location",

"portal vein thrombosis",

```

    "evidence of portal hypertension (PV >13 mm, collaterals, ascites)"
  ]
},
"gall_bladder": {
  "fit": [
    "normal echo-anatomy of the gall bladder",
    "post laparoscopic cholecystectomy, 08 weeks (normal LFT, normal histopathology)",
    "post open cholecystectomy, 24 weeks (absence of incisional hernia)"
  ],
  "unfit": [
    "cholelithiasis or biliary sludge",
    "choledocolithiasis",
    "polyp of any size and number",
    "choledochal cyst",
    "gall bladder mass",
    "gall bladder wall thickness > 05 mm",
    "septate gall bladder",
    "persistently contracted gall bladder on repeat USG",
    "incomplete cholecystectomy",
    "agenesis of gall bladder will be considered fit in the absence of any other abnormality of the biliary tract. MRCP will be done for all cases."
  ]
},
"spleen": {
  "unfit": [
    "spleen more than 13 cm in longitudinal axis (or if clinically palpable)",
    "any space occupying lesion in the spleen",
    "asplenia",
    "candidates who have undergone partial/ total splenectomy are unfit, irrespective of the cause of operation"
  ]
},
"pancreas": {
  "unfit": [
    "any structural abnormality",
    "space occupying lesion/ mass lesion",
    "features of chronic pancreatitis (calcification, ductal abnormality, atrophy)"
  ]
},

```

```
"peritoneal_cavity": {  
  "unfit": [  
    "ascites",  
    "solitary mesenteric or retroperitoneal lymph node >1 cm (single retroperitoneal LN <1 cm and normal in architecture may be considered fit)",  
    "two or more lymph nodes of any size",  
    "any mass or cyst"  
  ]  
},  
"major_abdominal_vasculature": {  
  "aorta_ivc": "unfit condition if any structural abnormality, focal ectasia, aneurysm, and calcification"  
}  
},  
"appendectomy": {  
  "laparoscopic_appendectomy": {  
    "minimum_period": "04 weeks",  
    "fit_conditions": [  
      "post site scars have healed well",  
      "scars are supple",  
      "histopathological report of acute appendicitis is available",  
      "USG confirmation of absence of port site incisional hernia"  
    ]  
  },  
  "open_appendectomy_muscle_split_approach": {  
    "minimum_period": "12 weeks",  
    "fit_conditions": [  
      "wound has healed well",  
      "scar is supple and non-tender",  
      "histopathological report of acute appendicitis is available",  
      "USG confirmation of absence of surgical site incisional hernia"  
    ]  
  },  
  "open_appendectomy_muscle_cut_approach": {  
    "minimum_period": "06 months",  
    "fit_conditions": [  
      "wound has healed well",  
      "scar is supple and non-tender",  
      "histopathological report of acute appendicitis is available",
```

```

    "USG confirmation of absence of surgical site incisional hernia"

  ]
}
}
}
},

{
  "urogenital_system": {
    "history": [
      "alteration in micturition or urinary stream e.g. dysuria, frequency, poor stream etc.",
      "recurrent attacks of cystitis, pyelonephritis and haematuria",
      "renal colic, attacks of acute nephritis, any operation on the renal tract including loss of a kidney",
      "passing of stones or urethral discharges",
      "enuresis, past or present",
      "urethral discharge and Sexually Transmitted Disease (STD)"
    ],
    "external_genitalia_exam": [
      "hypospadias",
      "epispadias",
      "ambiguous genitalia",
      "undescended testis (UDT) or ectopic testis",
      "hydrocele",
      "varicocele",
      "epididymal cyst",
      "phimosis",
      "urethral stricture",
      "meatal stenosis"
    ],
    "criteria": {
      "udt": {
        "unfit": "Any abnormal position of testis (unilateral or bilateral). Bilateral orchidectomy due to any cause such as trauma, torsion or infection.",
        "fit": "Operatively corrected UDT may be considered fit at least 04 weeks after surgery, provided after surgical correction, the testis is normal in location and the wound has healed well. Unilateral atrophic testis/ unilateral orchidectomy for benign cause may be considered fit, provided other testis is normal in size, fixation and location."
      },
      "varicocele": {
        "unfit": "All grades of current varicocele.",

```

"fit": "Post-operative cases of varicocele with no residual varicocele and no post op complication or testicular atrophy may be made fit after 08 weeks of surgery, for sub-inguinal varicocoelectomy."

},

"hydrocele": {

"unfit": "Current hydrocele on any side.",

"fit": "Operated cases of hydrocele may be made fit after 08 weeks of surgery, if there are no post-op complications and wound has healed well."

},

"epididymal_cyst_mass_spermatocele": {

"unfit": "Current presence of cyst / mass.",

"fit": "Post operative cases, where wound has healed well, there is no recurrence and only when benign on histopathology report."

},

"epididymitis_orchitis": {

"unfit": "Presence of current orchitis or epididymitis/ tuberculosis.",

"fit": "After treatment, provided the condition has resolved completely."

},

"epispadias_hypospadias": {

"unfit": "All are unfit, except glanular variety of hypospadias and epispadias, which is acceptable.",

"fit": "Post-operative cases at least 08 weeks after successful surgery, provided recovery is complete and there are no complications."

},

"penile_amputation": {

"unfit": "Any amputation will make the candidate unfit."

},

"phimosis": {

"unfit": "Current phimosis, if tight enough to interfere with local hygiene and voiding and/ or associated with Balanitis Xerotica Obliterans.",

"fit": "Operated cases will be considered fit after 04 weeks of surgery, provided wound is fully healed and no post-op complications are seen."

},

"meatal_stenosis": {

"unfit": "Current disease, if small enough to interfere with voiding.",

"fit": "Mild disease not interfering with voiding and post-operative cases after a period of 04 weeks of surgery with adequately healed wound and no post op complications."

},

"stricture_urethra_urethral_fistula": {

"unfit": "Any history of / current cases or post-op cases are unfit."

},

"sex_reassignment_surgery_intersex_condition": {

"unfit": "Unfit"

},

```

"nephrectomy": {
  "unfit": "All cases, irrespective of the type of surgery (Simple/ radical/ donor/ partial/ RFA/ cryo-ablation) are unfit."
},
"renal_transplant_recipients": {
  "unfit": "Unfit"
},
"urachal_cyst": {
  "fit": "08 Weeks (To be declared fit in the absence of any remnant)"
}
},
"urine_examination": {
  "proteinuria": "Proteinuria will be a cause for rejection, unless it proves to be orthostatic.",
  "glycosuria": "When glycosuria is detected, a blood sugar examination (fasting and after 75 g glucose) and glycosylated Hb is to be carried out, and fitness decided as per results. Renal glycosuria is not a cause for rejection.",
  "urinary_infections": "When the candidate has history or evidence of urinary infection it will entail full renal investigation. Persistent evidence of urinary infection will entail rejection.",
  "haematuria": "Candidates with history of haematuria will be subjected to full renal investigation."
},
"glomerulonephritis": {
  "acute": {
    "fit": "A candidate who has made a complete recovery and has no proteinuria may be assessed fit, after a minimum period of one year after full recovery."
  },
  "chronic": {
    "unfit": "Candidate with chronic glomerulonephritis will be rejected."
  }
},
"renal_calculi": {
  "unfit": "Irrespective of size, numbers, obstructive or non-obstructive, history of renal calculi (history or radiological evidence) will render a candidate Unfit."
},
"std_hiv": {
  "unfit": "Seropositive HIV status and/ or evidence of STD will entail rejection."
},
"ultrasonography_abdomen_urogenital_system": {
  "kidneys_ureters_urinary_bladder": {
    "unfit": [
      "Congenital structural abnormalities of kidneys or urinary tract: Unilateral renal agenesis, Unilateral or bilateral hypoplastic/contracted kidney of size less than 08 cm, Malrotation of kidney, Horseshoe kidney, Ptosed kidney, Crossed fused/ ectopic kidney.",
    ]
  }
}

```

"Simple renal cyst > 1.5 cm",

"Complex cyst/ polycystic disease/ multiple or bilateral cysts.",

"Renal/ ureteric/ vesical mass.",

"Hydronephrosis or Hydroureteronephrosis.",

"Calculi - Renal/ Ureteric/ Vesical.",

"Calyectasis"

],

"fit": "Solitary, unilateral, simple renal cyst <1.5 cm provided the cyst is peripherally located, round/ oval, with thin smooth wall and no loculations, with posterior enhancement, no debris, no septa and no solid component.",

"review": "During Appeal Medical Board/ Review Medical Board unfit candidates will be subjected to specific investigations and detailed clinical examination. Candidates having isolated abnormality of echo texture of Kidney may be considered fit if Renal Function, DTPA scan and CECT kidney is normal."

}

},

"scrotum_testis": {

"unfit": [

"Bilateral atrophied testis.",

"Varicocele (Unilateral or bilateral).",

"Any abnormal location of testis (Unilateral or Bilateral).",

"Hydrocele",

"Epididymal lesions e.g. cyst."

]

}

},

"endocrine_system": {

"history": "Carefully elicited for any endocrine conditions particularly Diabetes Mellitus, disorders of thyroid and adrenal glands, gonads etc. Any history suggestive of endocrine disorders will be a cause for rejection. In case of any doubt, Medical Spl/ Endocrinologist opinion should be taken.",

"clinical_examination": "A thorough clinical examination to detect any obvious disease of the endocrine system should be carried out. Any clinical evidence of endocrine disease will be unfit.",

"thyroid_conditions": {

"unfit": [

"All cases of thyroid swelling having abnormal iodine uptake and abnormal thyroid hormone levels will be rejected.",

"All cases of thyroid swelling are unfit."

]

},

"diabetes_mellitus": {

"unfit": "Candidates detected to have diabetes mellitus will be rejected. A candidate with a family history of Diabetes Mellitus will be subjected to blood sugar (Fasting and after Glucose load) and HbA1c evaluation, which will be recorded."

}

},

"dermatological_system": {

"history_examination": [

"Careful interrogation followed by examination of the candidate's skin is necessary to obtain a clear picture of the nature and severity of any dermatological condition claimed or found.",

"Borderline skin conditions should be referred to a dermatologist.",

"Candidates who give history of sexual exposure to a Commercial Sex Worker (CSW), or have evidence of healed penile sore in the form of a scar should be declared permanently unfit, even in absence of an overt STD, as these candidates are likely 'repeaters' with similar indulgent promiscuous behavior."

],

"assessment_of_diseases": [

"Acute non-exanthematous and noncommunicable diseases, which ordinarily run a temporary course, need not be a cause of rejection.",

"Diseases of a trivial nature, and those, which do not interfere with general health or cause incapacity, do not entail rejection."

],

"tropical_conditions": {

"unsuitable": "An individual is unsuitable for service if he has a definite history or signs of chronic or recurrent skin disease.",

"conditions": [

"Significant Palmoplantar Hyperhydrosis",

"Moderate to severe degree of acne (nodulocystic type with or without keloidal scarring) or involving the back",

"Any degree of palmoplantar keratoderma manifesting with hyperkeratotic and fissured skin over the palms, soles and heels",

"Ichthyosis involving the upper and lower limbs, with evident dry, scaly, fissured skin",

"Any keloid",

"Clinically evident onychomycosis of finger and toe-nails especially if associated with nail dystrophy",

"Giant congenital melanocytic naevi, greater than 10 cm"

]

},

"minor_conditions": {

"fit": [

"Palmoplantar Hyperhydrosis (mild)",

"Mild (Grade I) acne consisting of few comedones or papules, localized only to the face",

"Mild xerosis (dry skin)",

"Mild degree of distal discoloration involving single nail without any dystrophy",

"Single corns/ Warts/ Callosities (fit, three months after successful treatment and no recurrence)",

"Naevus depigmentosus and Beckers naevus",

"Minor degree of Leukoderma affecting the covered parts",

"Vitiligo limited only to glans penis and prepuce",

"Folliculitis or sycosis barbae (on complete recovery)",

"Mild in nature Canities (premature graying of hair) with no systemic association",

"Intertrigo (on recovery)",


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    "Scrotal Eczema (on recovery)",

    "Single and small (<2 cm in diameter) lesion of Alopecia areata on scalp"

  ],

  "unfit": [

    "Multiple warts/ corns/ callosities on palms and soles or diffuse palmoplantar mosaic warts, large callosities on pressure areas of palms and soles",

    "Psoriasis",

    "Extensive degree of Leukoderma especially when the exposed parts are affected, even to a minor degree",

    "Chronic or frequently recurring episodes of a skin disease of a serious or incapacitating nature e.g. eczema",

    "Any sign of Leprosy",

    "Pityriasis Versicolor",

    "Any fungal infection (like Tinea Cruris and Tinea Corporis)",

    "Genital Ulcers (Anal and perianal area included to rule out STD)",

    "Multiple or scarring lesions of Alopecia areata involving other areas"

  ]

},

"reconstructive_surgery": {

  "gynaecomastia": {

    "fit": "Candidates to be considered fit after 12 weeks of postoperative period if: (i) There is a well healed surgical wound with no residual disease (ii) No post operative complication (iii) Surgical scar should be sufficiently matured and unlikely to cause any problems during military training (iv) Normal general physical examination (v) Endocrine workup is normal"

  },

  "polymazia": {

    "fit": "Candidates to be considered fit after 12 weeks of post operative period if there is no post operative complication with a well healed surgical wound and no residual disease."

  }

},

{

  "musculoskeletal_system_and_physical_capacity": {

    "general_assessment": {

      "criteria": [

        "Assessment of the candidate's physique is to be based upon careful observation of such general parameters as apparent muscular development, age, height, weight and the correlation of this i.e. potential ability to acquire physical stamina with training.",

        "The candidate's physical capacity is affected by general physical development or by any constitutional or pathological condition."

      ]

    },

    "spinal_conditions": {

```

"general_conditions": [

"Past medical history of disease or injury of the spine or sacroiliac joints, either with or without objective signs, which has prevented the candidate from successfully following a physically active life, is a cause for rejection for commissioning.",

"History of recurrent lumbago/ spinal fracture/ prolapsed intervertebral disc and surgical treatment for these conditions will entail rejection."

],

"evaluation_of_spine": {

"clinical_examination": {

"criteria": [

"Normal thoracic kyphosis and cervical/ lumbar lordosis are barely noticeable and not associated with pain or restriction of movement.",

"If clinical examination reveals restriction of spine movements, deformities, tenderness of the spine or any gait abnormalities, it will be considered unfit.",

"Gross kyphosis, affecting military bearing/ restricts full range of spinal movements and/or expansion of chest is unfit.",

"Scoliosis is unfit, if deformity persists on full flexion of the spine, when associated with restricted range of spine movements or when due to an underlying pathological cause.",

"When scoliosis is noticeable or any pathological condition of the spine is suspected, radiographic examination of the appropriate part of the spine needs to be carried out."

],

"spina_bifida_markers": [

"Congenital defects overlying the spine e.g. hypertrichosis, skin dimpling, haemangioma, pigmented naevus or dermal sinus.",

"Presence of lipoma over spine.",

"Palpable spina bifida.",

"Abnormal findings on neurological examination."

]

},

"radiograph_spine": "For flying duties, radiograph (AP and lateral views) of cervical, thoracic and lumbosacral spine is to be carried out.",

"unfit_conditions_for_air_force_duties": {

"congenital_or_developmental_anomalies": [

"Wedge Vertebra",

"Hemivertebra",

"Anterior Central Defect",

"Cervical Ribs (Unilateral/ Bilateral) with demonstrable neurological or circulatory deficit",

"Spinabifida (All types are unfit except in sacrum and LV5 if completely sacralised)",

"Loss of Cervical Lordosis when assessed with clinically restricted movement of cervical spine",

{

"scoliosis": {

"criteria": [

"Idiopathic scoliosis up to 10 degrees for Lumbar Spine and 15 degrees of Dorsal Spine will be acceptable provided:",

"Individual is asymptomatic",

"No history of trauma to spine",

"No chest asymmetry/shoulder imbalance or pelvic obliquity in the lumbar spine.",

"There is no neurological deficit",

"No congenital anomaly of the spine",

"There is absence of syndromic features",

"ECG is normal",

"No deformity exists on full flexion of the spine",

"No restriction of range of movements",

"No organic defect causing structural abnormality"

]

}

},

"Atlanto-occipital and Atlanto-axial anomalies",

"Incomplete Block (fused) vertebra at any level in cervical, dorsal or lumbar spine",

"Complete Block (fused) vertebra at more than one level in cervical or dorsal spine. (Single level is acceptable. Annotation is to be made in AFMSF-2)",

"Unilateral sacralisation or lumbarisation (complete or incomplete) and Bilateral incomplete sacralisation or lumbarisation (LSTV-Castellvi Type II a & b, III a & IV)",

"Bilateral Complete Sacralisation of LV5 and Bilateral Complete Lumbarisation of SV1 (LSTV Castellvi Type III b and Type I a & b are acceptable (Annotation is to be made in AFMSF-2))"

],

"traumatic_conditions": [

"Spondylolysis/ Spondylolisthesis",

"Compression fracture of vertebra",

"Intervertebral Disc Prolapse",

"Schmorl's Nodes at more than one level"

],

"infective_conditions": [

"Tuberculosis and other Granulomatous disease of spine (old or active)",

"Infective Spondylitis"

],

"autoimmune_conditions": [

"Rheumatoid Arthritis and allied disorders",

"Ankylosing spondylitis",

"Other rheumatological disorders of spine e.g. Polymyositis, SLE and Vasculitis"

],

"degenerative_conditions": [

"Spondylosis",

"Degenerative Joint Disorders",

```

    "Degenerative Disc Disease",

    "Osteoarthritis/ osteoarthritis",

    "Scheuerman's Disease (Adolescent Kyphosis)"

    ],

    "other_conditions": [

        "Any other spinal abnormality, if so considered by the specialist"

    ]

}

},

"upper_limbs_conditions": {

    "deformities": "Deformities of the upper limbs or their parts will be cause for rejection. Candidate with an amputation of a limb will not be accepted for entry. Amputation of terminal phalanx of little finger on both sides is, however, acceptable.",

    "healed_fractures": {

        "criteria": [

            "All intra-articular fractures especially of major joints (Shoulder, elbow, wrist, hip, knee and ankle) with or without surgery, with or without implant shall be considered unfit.",

            "All extra-articular fractures with post-operative implant in-situ shall be considered unfit and will be considered for fitness after minimum of 12 weeks of implant removal.",

            "Nine (09) months will be the minimum duration for considering evaluation following extra-articular injuries of all long bones (both upper and lower limbs) post injury which have been managed conservatively."

        ],

        "fit_conditions": [

            "No evidence of mal alignment/malunion",

            "No neuro vascular deficit",

            "No soft tissue loss",

            "No function deficit",

            "No evidence of osteomyelitis/sequestra formation"

        ],

        "additional_criteria": "Fracture of the upper limb, presenting 06 months after the injury with none of the sequelae as mentioned above are acceptable after assessment by orthopaedic surgeon."

    },

    "fingers_and_hands": {

        "conditions": [

            "Polydactyly can be assessed for fitness 12 weeks post op. Can be declared fit if there is no bony abnormality (X-Ray), wound is well healed, scar is supple and there is no evidence of neuroma on clinical examination.",

            "Simple syndactyly can be assessed for fitness 12 weeks post op. Can be declared fit if there is no bony abnormality (X-Ray), wound is healed, scar is supple and webspace is satisfactory.",

            "Complex syndactyly is unfit",

            "Hyperextensible finger joints: Any extension of fingers bending backwards beyond 90 degrees shall be considered hyperextensible and considered unfit. Other joints like knee, elbow, spine and thumb shall also be examined carefully for features of hyper laxity/ hypermobility."

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"Although the individual may not show features of hyper laxity in other joints, isolated presentation of hyper extensibility of finger joints shall be considered unfit because of the various ailments that may manifest later if such candidates are subjected to strenuous physical training.",

"Mallet Finger: Loss of extensor mechanism at the distal interphalangeal joint leads to Mallet finger. Chronic mallet deformity can lead to secondary changes in the PIP and MCP joint which can result in compromised hand function. Normal range of movement at DIP joints is 0-80 degree & PIP joint is 0-90 degrees in both flexion and extension. In Mallet finger candidate is unable to extend/straighten distal phalanx of fingers completely.",

"Candidates with mild condition i.e. less than 10 degrees of extension lag without any evidence of trauma, pressure symptoms and any functional deficit should be declared fit.",

"Candidates with fixed deformity of fingers will be declared unfit."

]

},

"wrist": "Painless limitation of movement of the wrist will be assessed according to the degree of stiffness. Loss of dorsiflexion is more serious than loss of palmar flexion.",

"elbow": {

"hyperextension": {

"description": "Individuals can have naturally hyperextended elbow. This condition is not a medical problem, but can be a cause of fracture or chronic pain especially considering the stress and strains military population is involved in. Also, the inability to return the elbow to within 10 degrees of the neutral position is impairment in the activities of daily living.",

"measurement_modality": "Measured using a goniometer",

"recommendation": "Normal elbow extension is 0 degrees. Up to 10 degrees of hyperextension is within normal limits if the patient has no history of trauma to the joint. Anyone with hyperextension more than 10 degrees should be unfit."

},

"cubitus_varus": "CubitusVarus of > 5 degree will be unfit.",

"cubitus_recurvatum": "Cubitus recurvatum > 10 degrees is unfit.",

"shoulder_girdle": "History of recurrent dislocation of shoulder with or without corrective surgery will be unfit.",

"clavicle": "Non-union of an old fracture clavicle will entail rejection. Malunited clavicle fracture without loss of function and without obvious deformity are acceptable."

}

},

"lower_limbs_conditions": {

"conditions": [

"Hallux valgus with angle >20 degrees and first-second metatarsal angle of >10 degrees is unfit. Hallux valgus of any degree with bunion, corns or callosities is unfit.",

"Hallux rigidus is unfit for service.",

"Isolated single flexible mild hammer toe without symptoms may be accepted. Fixed (rigid) deformity or hammer toe associated with corns, callosities, mallet toes or hyperextension at meta-tarso-phalangeal joint (claw toe deformity) are to be rejected.",

"Loss of any digits/ toes entails rejection.",

"Extra digits will entail rejection if there is bony continuity with adjacent digits. Cases of syndactyly will be rejected.",

"Pes Planus (Flat feet): If the arches of the feet reappear on standing on toes, if the candidate can skip and run well on the toes and if the feet are supple, mobile and painless, the candidate is acceptable. Rigid or fixed flat feet, gross flat feet, with planovalgus, eversion of heel, cannot balance himself on toes, cannot skip on the forefoot, tender painful tarsal joints, prominent head of talus will be considered unfit. Restriction of the movements of the foot will also be a cause for rejection. Rigidity of the foot, whatever may be the shape of the foot, is a cause for rejection.",

"Pes Cavus and Talipes (Club Foot): Mild degree of idiopathic pes cavus without any functional limitation is acceptable. Moderate and severe pes cavus and pes cavus due to organic disease will entail rejection. All cases of Talipes (Club Foot) will be rejected.",

"Ankle Joints: Any significant limitation of movement following previous injuries will not be accepted. Functional evaluation with imaging should be carried out wherever necessary.",

"Knee Joint: Any ligamentous laxity is not accepted. Candidates who have undergone ACL reconstruction surgery are to be considered unfit.",

"Genu valgum (knock knee) with intermalleolar distance > 5 cm in males and > 8 cm in females will be unfit.",

"Genu varum (bow legs) with intercondylar distance >7 cm will be considered unfit.",

"Genu Recurvatum: If the hyperextension of the knee is within 10 degrees and is unaccompanied by any other deformity, the candidate should be accepted as fit.",

"True lesions of the hip joint or early signs of arthritis will entail rejection."

]

},

"peripheral_vascular_system": {

"conditions": [

"Varicose Veins: All cases with active varicose veins will be declared unfit. Post-op cases of varicose veins also remain unfit.",

"Arterial System: Current or history of abnormalities of the arteries and blood vessels e.g. aneurysms, arteritis and peripheral arterial disease will be considered unfit.",

"Lymphoedema: History of past/ current disease makes the candidate unfit."

]

}

}

},

{

"musculoskeletal_system": {

"scoliosis": {

"criteria": "Lateral curvature of spine showing scoliosis angle of more than 15 degree by Cobb's method may be cause for rejection.",

"thoracic_kyphosis": "If the thoracic kyphosis is conspicuous or asymmetric, spinal movements restricted and the deformity is obvious, it will be a cause for rejection.",

"kyphoscoliosis": "If there is associated scoliosis or the total of thoracic kyphosis and lumbar lordosis exceeds 45 degrees, the candidate will be rejected.",

"lumbar_lordosis": "Any obvious kyphosis or lordosis will be cause for rejection. Individuals with less than mild degree of scoliosis with symmetrical vertebrae bodies are acceptable if all other spinal movements are normal.",

"kissing_spines": "Presence of mild or partial lumbarisation of 1st sacral vertebra or sacralisation of 5th lumbar vertebra without loss of function is acceptable. Complete lumbarisation or sacralisation, not accepted.",

"spina_bifida": "Spina bifida at S1 vertebrae with or without mild defect in pars inter-articularis is acceptable if there are no other associated abnormalities and the candidate is asymptomatic."

},

"upper_limbs_conditions": {

"conditions": {

"hand_deformities": "Deformities of upper limbs or fingers, extra or missing digits, will be cause for rejection.",

"cubitus_varus": "Cubitus varus of any degree will be unfit. Cubitus valgus carrying angle of >15 degree in males and >20 degree in females, will be unfit.",

"restricted_movement": "Limitation of movement of elbow joint of > 5 degree will be unfit.",

"cubitus_recurvatum": "Cubitus recurvatum > 10 degrees is unfit.",

"shoulder_girdle": "History of recurrent dislocation of shoulder with or without corrective surgery will be unfit.",

"clavicle": "Non-union of an old fracture clavicle will entail rejection. Malunited clavicle fracture without loss of function and without obvious deformity are acceptable."

}

},

"lower_limbs_conditions": {

"conditions": [

"Hallux valgus with angle >20 degrees and first-second metatarsal angle of >10 degrees is unfit. Hallux valgus of any degree with bunion, corns or callosities is unfit.",

"Hallux rigidus is unfit for service.",

"Isolated single flexible mild hammer toe without symptoms may be accepted. Fixed (rigid) deformity or hammer toe associated with corns, callosities, mallet toes or hyperextension at meta-tarso-phalangeal joint (claw toe deformity) are to be rejected.",

"Loss of any digits/ toes entails rejection.",

"Extra digits will entail rejection if there is bony continuity with adjacent digits. Cases of syndactyly will be rejected.",

"Pes Planus (Flat feet): If the arches of the feet reappear on standing on toes, if the candidate can skip and run well on the toes and if the feet are supple, mobile and painless, the candidate is acceptable. Rigid or fixed flat feet, gross flat feet, with planovalgus, eversion of heel, cannot balance himself on toes, cannot skip on the forefoot, tender painful tarsal joints, prominent head of talus will be considered unfit. Restriction of the movements of the foot will also be a cause for rejection. Rigidity of the foot, whatever may be the shape of the foot, is a cause for rejection.",

"Pes Cavus and Talipes (Club Foot): Mild degree of idiopathic pes cavus without any functional limitation is acceptable. Moderate and severe pes cavus and pes cavus due to organic disease will entail rejection. All cases of Talipes (Club Foot) will be rejected.",

"Ankle Joints: Any significant limitation of movement following previous injuries will not be accepted. Functional evaluation with imaging should be carried out wherever necessary.",

"Knee Joint: Any ligamentous laxity is not accepted. Candidates who have undergone ACL reconstruction surgery are to be considered unfit.",

"Genu valgum (knock knee) with intermalleolar distance > 5 cm in males and > 8 cm in females will be unfit.",

"Genu varum (bow legs) with intercondylar distance >7 cm will be considered unfit.",

"Genu Recurvatum: If the hyperextension of the knee is within 10 degrees and is unaccompanied by any other deformity, the candidate should be accepted as fit.",

"True lesions of the hip joint or early signs of arthritis will entail rejection."

]

},

"peripheral_vascular_system": {

"conditions": [

"Varicose Veins: All cases with active varicose veins will be declared unfit. Post-op cases of varicose veins also remain unfit.",

"Arterial System: Current or history of abnormalities of the arteries and blood vessels e.g. aneurysms, arteritis and peripheral arterial disease will be considered unfit.",

"Lymphoedema: History of past/ current disease makes the candidate unfit."

]

```

}

},

"central_nervous_system": {

    "conditions": [

        "A candidate giving a history of mental illness/ psychological afflictions requires detailed investigation and psychiatric referral. Such cases should normally be rejected.",

        "History of insomnia, phobias, nightmares or frequent sleepwalking or Bedwetting, when recurrent or persistent, will be a cause for rejection.",

        "A candidate with migraine, which was severe enough to make him consult his doctor, should normally be a cause for rejection. Even a single attack of migraine with visual disturbance or Migrainous epilepsy is to be made unfit.",

        "History of epilepsy in a candidate is a cause for rejection. Convulsions/ fits after the age of five are also a cause for rejection.",

        "History of repeated attacks of heat stroke, hyperpyrexia or heat exhaustion bars employment for Air Force duties.",

        "A history of severe head injury is a cause for rejection. Other sequelae of head injury like post-concussion syndrome, focal neurological deficit and post traumatic epilepsy should be noted.",

        "When there is a history of severe injury or an associated convulsive attack, an electroencephalogram should be carried out which must be normal. Presence of burr holes will be cause for rejection for flying duties, but not for ground duties.",

        "When a history of nervous breakdown, mental disease, or suicide of a near relative is obtained, a careful investigation of the personal past history from a psychological point of view is to be obtained.",

        "If a family history of epilepsy is admitted, an attempt should be made to determine its type. When the condition has occurred in a near (first degree) relative, the candidate may be accepted if he has no history of associated disturbance of consciousness, neurological deficit or higher mental functions and his electroencephalogram is completely normal.",

        "The assessment of emotional stability must include family and personal history, any indication of emotional instability under stress as evidenced by the occurrence of undue emotionalism as a child or of any previous nervous illness or breakdown.",

        "All candidates who are suffering from psychosis are to be rejected. Drug dependence in any form will also be a cause for rejection.",

        "Mentally unstable and neurotic individuals are unfit for commissioning. Juvenile and adult delinquency, history of nervous breakdown or chronic ill-health is causes for rejection.",

        "Any evident neurological deficit should call for rejection.",

        "Candidates with stammering will not be accepted for Air Force duties. Careful assessment by ENT Specialist, Speech therapist, psychologist/ psychiatrist may be required in doubtful cases.",

        "Basal Electroencephalogram (EEG). EEG is to be recorded for candidates for aircrew duties only in case there is a history of epilepsy in the family, past history of head injury and/or any other psychological or neurological abnormality noted in the past.",

        "Non specific EEG abnormality will be acceptable provided opinion of Neuropsychiatrist/ Neurophysician is obtained.",

        "Hyperstosis frontalis interna. Will be considered fit in the absence of any other metabolic abnormality."

    ]

},

"ear_nose_throat": {

    "history": "Any significant history of otorrhoea, hearing loss, vertigo including motion sickness, tinnitus etc is to be elicited.",

    "nose_and_para_nasal_sinuses": {

        "conditions": [

            "Gross external deformity of nose causing cosmetic deformity may be rejected if it adversely impacts military bearing. However, minor deformities of dorsum and nasal tip should not be a cause of rejection.",

            "Obstruction to free breathing as a result of a marked septal deviation. Post corrective surgery with residual mild deviation with adequate airway patency will be acceptable.",

```


"Septal perforation: Nasal septal perforation can be anterior cartilaginous or posterior bony perforation. Any septal perforation greater than 01 cm in the greatest dimension is a ground for rejection. A septal perforation which is associated with nasal deformity, nasal crusting, epistaxis and granulation irrespective of the size is a ground for rejection.",

"Atrophic rhinitis.",

"Any history/clinical evidence suggestive of allergic rhinitis/ vasomotor rhinitis will entail rejection.",

"Any infection of the para-nasal sinuses will be considered unfit. Chronic sinusitis can be accepted only after successful surgery.",

"Post operative cases of chronic sinusitis with or without polypectomy should be considered unfit."

]

},

"oral_cavity": {

"conditions": [

"All significant diseases of the buccal cavity, tongue, palate, tonsils and gums should be carefully assessed for any pain, ulceration, leukoplakia, etc.",

"Submucous fibrosis is a cause for rejection.",

"A small atrophic scar of old surgery in the posterior pillar of fauces may be considered fit, if there are no sequelae of any kind and there is no evidence of any infection in the fossa.",

"Individuals with hyperplastic pharyngeal bands and hypertrophied lymphoid follicles are normally fit. If they are hypertrophied to the extent of being tumour like, rejection is indicated.",

"In the presence of tonsillar infection, the glands (Lymph nodes) draining the area involved should be examined for any evidence of tuberculosis or secondary infection.",

"Any residual glandular enlargement will be a cause for rejection. Cases of a slight degree of tonsillar enlargement may be accepted, provided there is no history of tonsillar infection and there are no enlarged glands in the neck.",

"Post tonsillectomy cases be accepted as fit after a period of 8 weeks of surgery provided there are no complications and there is no evidence of disease at the time of examination."

]

},

"external_ear": {

"conditions": [

"Congenital anomalies like accessory auricle, cyst or fistula or a gross deformity of pinna or ear canal should be considered unfit. Minor congenital defects provided there is no functional or cosmetic problem should be considered fit. Excessively large or prominent ears are a cause of rejection.",

"Deformity following injury, which causes cosmetic blemish or can potentially cause functional impairment of hearing should be considered unfit.",

"A dry central perforation of the tympanic membrane will make the candidate unfit. However, in selected cases of a central perforation of pars tensa, which is <3 mm in diameter with normal pars flaccida and mobile drum with no evidence of middle ear disease can be accepted.",

"Tympanoplasty type I cases will be considered fit, 08 weeks post operatively provided the ear clearance certificate is normal.",

"Candidates with a past history of middle ear disease with intact tympanic membrane and normal hearing should be accepted. Where there is a suspicion of healed/subclinical middle ear disease, a full audiometric evaluation including impedance audiometry should be done.",

"CSOM: In active phase to be made unfit. Healed CSOM with normal hearing and normal ear clearance certificate will be made fit.",

"Any obvious external abnormality of mastoid region which may be indicative of previous mastoid surgery is unfit."

]

},

```

"inner_ear_conditions": [
  "Acute/ Chronic otitis externa will entail rejection.",
  "Granular myringitis will entail rejection.",
  "Otomycosis will entail rejection.",
  "A candidate with a past history of ear surgery will be declared unfit except in cases wherein ear surgery was performed for
  'myringotomy or myringotomy with grommet insertion' and there is no residual abnormality. A certificate from ENT surgeon should be
  obtained.",
  "Sensori-neural hearing loss in one or both ears is a cause for rejection."
],
"hearing_standard": [
  "The candidate should have no obvious hearing disability.",
  "Speech reception threshold: Both ears individually should be less than 30 dB.",
  "Speech discrimination score: Should be more than 90% in each ear.",
  "Hearing loss of less than 20 dB, as assessed by pure tone audiometry, in frequencies between 250 and 8000 Hz."
]
},
{
  "musculoskeletal_system": {
    "scoliosis": {
      "criteria": "Lateral curvature of spine showing scoliosis angle of more than 15 degree by Cobb's method may be cause for rejection.",
      "thoracic_kyphosis": "If the thoracic kyphosis is conspicuous or asymmetric, spinal movements restricted and the deformity is obvious,
      it will be a cause for rejection.",
      "kyphoscoliosis": "If there is associated scoliosis or the total of thoracic kyphosis and lumbar lordosis exceeds 45 degrees, the candidate
      will be rejected.",
      "lumbar_lordosis": "Any obvious kyphosis or lordosis will be cause for rejection. Individuals with less than mild degree of scoliosis with
      symmetrical vertebrae bodies are acceptable if all other spinal movements are normal.",
      "kissing_spines": "Presence of mild or partial lumbarisation of 1st sacral vertebra or sacralisation of 5th lumbar vertebra without loss of
      function is acceptable. Complete lumbarisation or sacralisation, not accepted.",
      "spina_bifida": "Spina bifida at S1 vertebrae with or without mild defect in pars inter-articularis is acceptable if there are no other
      associated abnormalities and the candidate is asymptomatic."
    },
    "upper_limbs_conditions": {
      "conditions": {
        "hand_deformities": "Deformities of upper limbs or fingers, extra or missing digits, will be cause for rejection.",
        "cubitus_varus": "Cubitus varus of any degree will be unfit. Cubitus valgus carrying angle of >15 degree in males and >20 degree in
        females, will be unfit.",
        "restricted_movement": "Limitation of movement of elbow joint of > 5 degree will be unfit.",
        "cubitus_recurvatum": "Cubitus recurvatum > 10 degrees is unfit.",
        "shoulder_girdle": "History of recurrent dislocation of shoulder with or without corrective surgery will be unfit.",
        "clavicle": "Non-union of an old fracture clavicle will entail rejection. Malunited clavicle fracture without loss of function and without
        obvious deformity are acceptable."
      }
    }
  }
}

```

```

    }
},
"lower_limbs_conditions": {
    "conditions": [
        "Hallux valgus with angle >20 degrees and first-second metatarsal angle of >10 degrees is unfit. Hallux valgus of any degree with bunion, corns or callosities is unfit.",
        "Hallux rigidus is unfit for service.",
        "Isolated single flexible mild hammer toe without symptoms may be accepted. Fixed (rigid) deformity or hammer toe associated with corns, callosities, mallet toes or hyperextension at meta-tarso-phalangeal joint (claw toe deformity) are to be rejected.",
        "Loss of any digits/ toes entails rejection.",
        "Extra digits will entail rejection if there is bony continuity with adjacent digits. Cases of syndactyly will be rejected.",
        "Pes Planus (Flat feet): If the arches of the feet reappear on standing on toes, if the candidate can skip and run well on the toes and if the feet are supple, mobile and painless, the candidate is acceptable. Rigid or fixed flat feet, gross flat feet, with planovalgus, eversion of heel, cannot balance himself on toes, cannot skip on the forefoot, tender painful tarsal joints, prominent head of talus will be considered unfit. Restriction of the movements of the foot will also be a cause for rejection. Rigidity of the foot, whatever may be the shape of the foot, is a cause for rejection.",
        "Pes Cavus and Talipes (Club Foot): Mild degree of idiopathic pes cavus without any functional limitation is acceptable. Moderate and severe pes cavus and pes cavus due to organic disease will entail rejection. All cases of Talipes (Club Foot) will be rejected.",
        "Ankle Joints: Any significant limitation of movement following previous injuries will not be accepted. Functional evaluation with imaging should be carried out wherever necessary.",
        "Knee Joint: Any ligamentous laxity is not accepted. Candidates who have undergone ACL reconstruction surgery are to be considered unfit.",
        "Genu valgum (knock knee) with intermalleolar distance > 5 cm in males and > 8 cm in females will be unfit.",
        "Genu varum (bow legs) with intercondylar distance >7 cm will be considered unfit.",
        "Genu Recurvatum: If the hyperextension of the knee is within 10 degrees and is unaccompanied by any other deformity, the candidate should be accepted as fit.",
        "True lesions of the hip joint or early signs of arthritis will entail rejection."
    ]
},
"peripheral_vascular_system": {
    "conditions": [
        "Varicose Veins: All cases with active varicose veins will be declared unfit. Post-op cases of varicose veins also remain unfit.",
        "Arterial System: Current or history of abnormalities of the arteries and blood vessels e.g. aneurysms, arteritis and peripheral arterial disease will be considered unfit.",
        "Lymphoedema: History of past/ current disease makes the candidate unfit."
    ]
}
},
"central_nervous_system": {
    "conditions": [
        "A candidate giving a history of mental illness/ psychological afflictions requires detailed investigation and psychiatric referral. Such cases should normally be rejected.",

```

"History of insomnia, phobias, nightmares or frequent sleepwalking or Bedwetting, when recurrent or persistent, will be a cause for rejection.",

"A candidate with migraine, which was severe enough to make him consult his doctor, should normally be a cause for rejection. Even a single attack of migraine with visual disturbance or Migrainous epilepsy is to be made unfit.",

"History of epilepsy in a candidate is a cause for rejection. Convulsions/ fits after the age of five are also a cause for rejection.",

"History of repeated attacks of heat stroke, hyperpyrexia or heat exhaustion bars employment for Air Force duties.",

"A history of severe head injury is a cause for rejection. Other sequelae of head injury like post-concussion syndrome, focal neurological deficit and post traumatic epilepsy should be noted.",

"When there is a history of severe injury or an associated convulsive attack, an electroencephalogram should be carried out which must be normal. Presence of burr holes will be cause for rejection for flying duties, but not for ground duties.",

"When a history of nervous breakdown, mental disease, or suicide of a near relative is obtained, a careful investigation of the personal past history from a psychological point of view is to be obtained.",

"If a family history of epilepsy is admitted, an attempt should be made to determine its type. When the condition has occurred in a near (first degree) relative, the candidate may be accepted if he has no history of associated disturbance of consciousness, neurological deficit or higher mental functions and his electroencephalogram is completely normal.",

"The assessment of emotional stability must include family and personal history, any indication of emotional instability under stress as evidenced by the occurrence of undue emotionalism as a child or of any previous nervous illness or breakdown.",

"All candidates who are suffering from psychosis are to be rejected. Drug dependence in any form will also be a cause for rejection.",

"Mentally unstable and neurotic individuals are unfit for commissioning. Juvenile and adult delinquency, history of nervous breakdown or chronic ill-health is causes for rejection.",

"Any evident neurological deficit should call for rejection.",

"Candidates with stammering will not be accepted for Air Force duties. Careful assessment by ENT Specialist, Speech therapist, psychologist/ psychiatrist may be required in doubtful cases.",

"Basal Electroencephalogram (EEG). EEG is to be recorded for candidates for aircrew duties only in case there is a history of epilepsy in the family, past history of head injury and/or any other psychological or neurological abnormality noted in the past.",

"Non specific EEG abnormality will be acceptable provided opinion of Neuropsychiatrist/ Neurophysician is obtained.",

"Hyperstosis frontalis interna. Will be considered fit in the absence of any other metabolic abnormality."

]

},

"ear_nose_throat": {

"history": "Any significant history of otorrhoea, hearing loss, vertigo including motion sickness, tinnitus etc is to be elicited.",

"nose_and_para_nasal_sinuses": {

"conditions": [

"Gross external deformity of nose causing cosmetic deformity may be rejected if it adversely impacts military bearing. However, minor deformities of dorsum and nasal tip should not be a cause of rejection.",

"Obstruction to free breathing as a result of a marked septal deviation. Post corrective surgery with residual mild deviation with adequate airway patency will be acceptable.",

"Septal perforation: Nasal septal perforation can be anterior cartilaginous or posterior bony perforation. Any septal perforation greater than 01 cm in the greatest dimension is a ground for rejection. A septal perforation which is associated with nasal deformity, nasal crusting, epistaxis and granulation irrespective of the size is a ground for rejection.",

"Atrophic rhinitis.",

"Any history/clinical evidence suggestive of allergic rhinitis/ vasomotor rhinitis will entail rejection.",

"Any infection of the para-nasal sinuses will be considered unfit. Chronic sinusitis can be accepted only after successful surgery.",

"Post operative cases of chronic sinusitis with or without polypectomy should be considered unfit."

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]
},
"oral_cavity": {
  "conditions": [
    "All significant diseases of the buccal cavity, tongue, palate, tonsils and gums should be carefully assessed for any pain, ulceration, leukoplakia, etc.",
    "Submucous fibrosis is a cause for rejection.",
    "A small atrophic scar of old surgery in the posterior pillar of fauces may be considered fit, if there are no sequelae of any kind and there is no evidence of any infection in the fossa.",
    "Individuals with hyperplastic pharyngeal bands and hypertrophied lymphoid follicles are normally fit. If they are hypertrophied to the extent of being tumour like, rejection is indicated.",
    "In the presence of tonsillar infection, the glands (Lymph nodes) draining the area involved should be examined for any evidence of tuberculosis or secondary infection.",
    "Any residual glandular enlargement will be a cause for rejection. Cases of a slight degree of tonsillar enlargement may be accepted, provided there is no history of tonsillar infection and there are no enlarged glands in the neck.",
    "Post tonsillectomy cases be accepted as fit after a period of 8 weeks of surgery provided there are no complications and there is no evidence of disease at the time of examination."
  ]
},
"external_ear": {
  "conditions": [
    "Congenital anomalies like accessory auricle, cyst or fistula or a gross deformity of pinna or ear canal should be considered unfit. Minor congenital defects provided there is no functional or cosmetic problem should be considered fit. Excessively large or prominent ears are a cause of rejection.",
    "Deformity following injury, which causes cosmetic blemish or can potentially cause functional impairment of hearing should be considered unfit.",
    "A dry central perforation of the tympanic membrane will make the candidate unfit. However, in selected cases of a central perforation of pars tensa, which is <3 mm in diameter with normal pars flaccida and mobile drum with no evidence of middle ear disease can be accepted.",
    "Tympanoplasty type I cases will be considered fit, 08 weeks post operatively provided the ear clearance certificate is normal.",
    "Candidates with a past history of middle ear disease with intact tympanic membrane and normal hearing should be accepted. Where there is a suspicion of healed/subclinical middle ear disease, a full audiometric evaluation including impedance audiometry should be done.",
    "CSOM: In active phase to be made unfit. Healed CSOM with normal hearing and normal ear clearance certificate will be made fit.",
    "Any obvious external abnormality of mastoid region which may be indicative of previous mastoid surgery is unfit."
  ]
},
"inner_ear_conditions": [
  "Acute/ Chronic otitis externa will entail rejection.",
  "Granular myringitis will entail rejection.",
  "Otomycosis will entail rejection.",
  "A candidate with a past history of ear surgery will be declared unfit except in cases wherein ear surgery was performed for 'myringotomy or myringotomy with grommet insertion' and there is no residual abnormality. A certificate from ENT surgeon should be obtained."
]

```

"Sensori-neural hearing loss in one or both ears is a cause for rejection."

],

"hearing_standard": [

"The candidate should have no obvious hearing disability.",

"Speech reception threshold: Both ears individually should be less than 30 dB.",

"Speech discrimination score: Should be more than 90% in each ear.",

"Hearing loss of less than 20 dB, as assessed by pure tone audiometry, in frequencies between 250 and 8000 Hz."

]

},

"ophthalmic_system": {

"overview": [

"Visual defects and medical ophthalmic conditions are amongst the major causes of rejection from flying duties. Therefore, a thorough and accurate eye examination is of great importance for all candidates, especially those for flying duties."

],

"personal_and_family_history": {

"a": "Squint and the need for spectacles for other reasons are frequently hereditary and a family history may give valuable information on the degree of deterioration to be anticipated. Candidates, who are wearing spectacles or found to have defective vision, should be properly assessed. All cases of squint should be made unfit by recruiting MO and by Specialist. Individuals with manifest squint are not acceptable for commissioning. However, small horizontal latent squint/ Phoria i.e. Exophoria/ Esophoria may be considered fit by the specialist along with Grade III BSV. Hyperphoria/ Hypophoria or cyclophoria are to be made unfit.",

"b": "Ptosis Candidate will be considered Fit post-operative provided there is no recurrence one year after surgery, visual axis is clear with normal visual fields and upper eyelid is 02 mm below the superior limbus. Candidates, who have not undergone surgery for the condition, would be considered fit if they meet the following criteria: - (i) Mild ptosis (ii) Clear visual axis (iii) Normal visual field (iv) No sign of aberrant degeneration/ head tilt",

"c": "Exotropia Unfit",

"d": "Anisocoria If size difference between the pupils is > 01 mm, candidate will be considered unfit.",

"e": "Heterochromia irides: Unfit",

"f": "Sphincter tears: Can be considered fit if size difference between pupils is <01 mm, pupillary reflexes are brisk with no observed pathology in cornea, lens or retina.",

"g": "Pseudophakia: Unfit",

"h": "Candidates with uncontrollable blepharitis, particularly with loss of eyelashes, are generally unsuitable and should be rejected. Severe cases of blepharitis and chronic conjunctivitis should be assessed as temporarily unfit until the response to treatment can be assessed.",

"j": "These cases of Ectropion/ Entropion are to be made unfit. Mild ectropion and entropion which in the opinion of ophthalmologist will not hamper day to day functioning in any way, may be made fit.",

"k": "All cases of progressive pterygium to be made unfit by recruiting MO and specialist. Regressive non vascularised pterygium likely to be stationary occupying ≤ 1.5 mm of the peripheral cornea may be made fit by eye spl after measurement on a slit lamp.",

"l": "All cases of nystagmus are to be made unfit except for physiologic nystagmus.",

"m": "Naso-lacrymal occlusion producing epiphora or a mucocele entails rejection, unless surgery produces relief lasting for a minimum of six months and the post op syringing is patent.",

"n": "Uveitis (iritis, cyclitis, and choroiditis) is frequently recurrent, and candidates giving a history of or exhibiting this condition should be carefully assessed. When there is evidence of permanent lesions such candidates should be rejected.",

"o": "Corneal scars, opacities will be cause for rejection unless it does not interfere with vision. Such cases should be carefully assessed before acceptance, as many conditions are recurrent.",

"p": "Lenticular opacities: Any lenticular opacity causing visual deterioration, or is in the visual axis or is present in an area of 07 mm around the pupils, which may cause glare phenomenon, should be considered unfit. The propensity of the opacities not to increase in size or number should also be a consideration when deciding fitness. Small stationery lenticular opacities in the periphery like congenital blue dot cataract, not affecting the visual axis/ visual field may be considered by specialist (should be less than 10 in number and central area of 04 mm to be clear).",

"q": "Optic Nerve Drusen Unfit",

"r": {

"high_cup_disc_ratio": [

"Candidate will be declared Unfit if any of the following conditions exist:",

"Inter –Eye asymmetry in cup Disc ratio > 0.2",

"Retinal Nerve fibre Layer (RNFL) defect seen by RNFL analysis on OCT",

"Visual Field defect detected by visual Field Analyser"

]

},

"s": "Visual disturbances associated with headaches of a migrainous type are not a strictly ocular problem, and should be assessed in accordance with para 3 of Central Nervous System Section mentioned above. Presence of diplopia or detection of nystagmus requires proper examination, as they can be due to physiological reasons.",

"t": "Night blindness is largely congenital but certain diseases of the eye exhibit night blindness as an early symptom and hence, proper investigations are necessary before final assessment. As tests for night blindness are not routinely performed, a certificate to the effect that the individual does not suffer from night blindness will be obtained in every case. Certificate should be as per Appendix 'A' to this notification. A proven case of night-blindness is unfit for service.",

"u": "Restriction of movements of the eyeball in any direction and undue depression/ prominence of the eyeball requires proper assessment.",

"v": "Retinal lesions. A small healed chorio-retinal scar in the retinal periphery not affecting the vision and not associated with any other complications can be made fit by specialist. Similarly a small lattice in periphery with no other complications can be made fit. Any lesion in the central fundus will be made unfit by the specialist.",

"w": {

"lattice_degeneration": [

"The following lattice degeneration will render a candidate Unfit:",

"Single circumferential lattice extending more than two clock hours in either or both eyes.",

"Two circumferential lattices each more than one clock hour in extent in either or both eyes.",

"Radial lattices",

"Any lattice with atrophic hole/ flap tears (Unlasered)",

"Lattice degeneration posterior to equator"

],

"conditions_for_fitness": [

"Single circumferential lattice without holes of less than two clock hours in either or both eyes.",

"Two circumferential lattices without holes each being less than one clock hour in extent in either or both eyes.",

"Post laser delimitation single circumferential lattice, without holes/ flap tear, less than two clock hours extent in either or both eyes.",

"Post laser delimitation two circumferential lattices, without holes /flap tear, each being less than one clock hour extent in either or both eyes."

]

},

"x": "Keratoconus: Keratoconus is Unfit."

},

"visual_acuity_and_colour_vision": "The visual acuity and colour vision requirements are detailed in Appendix 'B' to this notification. Those who do not meet these requirements are to be rejected.",

"myopia": "If there is a strong family history of Myopia, particularly if it is established that the visual defect is recent, if physical growth is still expected, or if the fundus appearance is suggestive of progressive myopia, even if the visual acuity is within the limit prescribed, the candidate should be declared unfit.",

"refractive_surgeries": [

"Candidates who have undergone Keratorefractive Surgeries (Photo Refractive Keratotomy (PRK), Laser in-situ Keratomileusis (LASIK), Femto LASIK, SMILE or equivalent procedures) may be considered fit for commissioning in the Air Force in all branches. Residual refraction after such procedure should not be more than +/- 1.0 D Sph or Cyl for branches where correctable refractory errors are permitted. The following criteria must be satisfied prior to selecting such candidates:",

"Individuals with high refractive errors (>6D) prior to Keratorefractive Surgery are to be excluded.",

"Keratorefractive Surgery should not have been carried out before the age of 20 years.",

"At least 12 months should have elapsed post uncomplicated stable Keratorefractive Surgery with no history or evidence of any complication.",

"The axial length of the eye should not be more than 26 mm as measured by IOL master.",

"The post Keratorefractive Surgery corneal thickness as measured by a corneal pachymeter should not be less than 450 microns."

],

"radial_keratotomy": "Radial Keratotomy (RK) surgery for correction of refractive errors is not permitted for any Air Force duties. Candidates having undergone cataract surgery with or without IOL implants will also be declared unfit.",

"ocular_muscle_balance": {

"overview": "Individuals with manifest squint are not acceptable for commissioning. The assessment of latent squint or heterophoria in the case of aircrew will be mainly based on the assessment of the fusion capacity. A strong fusion sense ensures the maintenance of binocular vision in the face of stress and fatigue. Hence, it is the main criterion for acceptability.",

"convergence": {

"objective_convergence": "Average is from 6.5 to 8 cm. It is poor at 10 cm and above.",

"subjective_convergence": "This indicates the end point of binocular vision under the stress of convergence. If the subjective convergence is more than 10 cm beyond the limit of objective convergence, the fusion capacity is poor. This is specially so when the objective convergence is 10 cm and above."

},

"accommodation": "In the case of myopes, accommodation should be assessed with corrective glasses in position. The acceptable values for accommodation in various age groups are given in Table 1.",

"accommodation_values_age_wise": {

"17_20": "10-11 cm",

"21_25": "11-12 cm",

"26_30": "12.5-13.5 cm",

"31_35": "14-16 cm",

"36_40": "16-18.5 cm",

"41_45": "18.5-27 cm"

},

"assessment": [

"Ocular muscle balance is dynamic and varies with concentration, anxiety, fatigue, hypoxia, drugs and alcohol. The above tests should be considered together for the final assessment. For example, cases just beyond the maximum limits of the Maddox Rod test, but who

show a good binocular response, a good objective convergence with little difference from subjective convergence, and full and rapid recovery on the cover tests may be accepted.",

"On the other hand, cases well within Maddox Rod test limits, but who show little or no fusion capacity, incomplete or no recovery on the cover tests, and poor subjective convergence should be rejected. Standards for assessment of Ocular Muscle Balance are detailed in Appendix 'C' to notification."

```
    ]
  },
  "clinical_findings": [
    "Any clinical findings in the media (cornea, lens, vitreous) or fundus, which is of pathological nature and likely to progress will be a cause for rejection. This examination will be done by slit lamp and ophthalmoscopy under mydriasis."
  ]
}
},
{
  "visual_standards_initial_entry": [
    {
      "SINo": 1,
      "MedCat": "A1G1",
      "Branch": "F (P) including WSOs, Flying Branch cadets at AFA",
      "maximum_limits_of_refractive_error": {
        "Hypermetropia": "+1.5D Sph",
        "Manifest_Myopia": "Nil",
        "Astigmatism": "+0.75D Cyl (within +1.5 D Max)",
        "Retinoscopic_Myopia": "Nil"
      },
      "visual_acuity_limits_of_maximum_correction": "6/6 in one eye and 6/9 in other, correctable to 6/6 only for Hypermetropia",
      "colour_vision": "CP-I",
      "notes": [
        "Ocular muscle balance for personnel covered in Sl. Nos. 1 and 2 should conform to Appendix C to this Chapter.",
        "Visual standards of Air Wing Cadets at NDA and Flt Cds of F (P) at AFA should conform to A1G1 F (P) standard (S1. No. 1 of Appendix B).",
        "The Sph correction factors mentioned above will be inclusive of the specified astigmatic correction factor. A minimum correction factor up to the specified visual acuity standard can be accepted."
      ]
    }
  ],
  "standard_of_ocular_muscle_balance_for_flying_duties": [
    {
      "SINo": 1,
      "Test": "Maddox Rod Test at 6 meters",
```

```

"Fit": {
  "Exo": "6 Prism D",
  "Eso": "6 Prism D",
  "Hyper": "1 Prism D",
  "Hypo": "1 Prism D"
},
"Temporary_Unfit": {
  "Exo": "Greater than 6 Prism D",
  "Eso": "Greater than 6 Prism D",
  "Hyper": "Greater than 1 Prism D",
  "Hypo": "Greater than 1 Prism D"
},
"Permanently_Unfit": "Unilateral suppression, Hyper/Hypo more than 2 Prism D"
},
{
  "SINO": 2,
  "Test": "Maddox Rod Test at 33 cm",
  "Fit": {
    "Exo": "16 Prism D",
    "Eso": "6 Prism D",
    "Hyper": "1 Prism D",
    "Hypo": "1 Prism D"
  },
  "Temporary_Unfit": {
    "Exo": "Greater than 16 Prism D",
    "Eso": "Greater than 6 Prism D",
    "Hyper": "Greater than 1 Prism D",
    "Hypo": "Greater than 1 Prism D"
  },
  "Permanently_Unfit": "Unilateral suppression, Hyper/Hypo more than 2 Prism D"
},
{
  "SINO": 3,
  "Test": "Hand held Stereoscope",
  "Fit": "All of BSV grades",
  "Temporary_Unfit": "Poor Fusional reserves",
  "Permanently_Unfit": "Absence of SMP, fusion Stereopsis"
},

```

```

{
  "SINo": 4,
  "Test": "Convergence",
  "Fit": "Up to 10 cm",
  "Temporary_Unfit": "Up to 15 cm with effort",
  "Permanently_Unfit": "Greater than 15 cm with effort"
},
{
  "SINo": 5,
  "Test": "Cover test for Distance and Near",
  "Fit": "Latent divergence/convergence recovery rapid and complete",
  "Temporary_Unfit": "Compensated heterophoria/trophia likely to improve with treatment/persisting even after treatment",
  "Permanently_Unfit": "Compensated heterophoria"
}
],
"haemopoietic_system": {
  "history_and_clinical_examination": [
    "History of easy fatiguability, general weakness, petechiae/ecchymosis, bleeding from gums and alimentary tract, persistent bleeding after minor trauma and menorrhagia in case of females should be carefully elicited.",
    "All candidates should be examined for clinical evidence of pallor (anaemia), malnutrition, icterus, peripheral lymphadenopathy, purpura, petechiae/ecchymoses and hepatosplenomegaly."
  ],
  "anaemia": [
    "In the event of laboratory confirmation of anaemia (<13g/dl in males and <11.5g/dl in females), further evaluation to ascertain type of anaemia and aetiology has to be carried out.",
    "This should include a complete haemogram (to include the PCV, MCV, MCH, MCHC, TRBC, TWBC, DLC, Platelet count, reticulocyte count and ESR) and a peripheral blood smear.",
    "All the other tests to establish the aetiology will be carried out, as required. Ultrasonography of abdomen for gallstones, upper GI Endoscopy/proctoscopy and hemoglobin electrophoresis etc. may be done, as indicated, and the fitness of the candidate, decided on the merit of each case."
  ],
  "temporary_unfit": [
    "Candidates with mild microcytic hypochromic (Iron deficiency anaemia) or dimorphic anaemia (Hb < 10.5g/dl in females and < 11.5g/dl in males), in the first instance, may be made temporarily unfit for a period of 04 to 06 weeks followed by review thereafter.",
    "These candidates can be accepted, if the complete haemogram and PCV, peripheral smear results are within the normal range.",
    "Candidates with macrocytic/megaloblastic anaemia will be assessed unfit."
  ],
  "unfit_conditions": [
    "All candidates with evidence of hereditary haemolytic anaemias (due to red cell membrane defect or due to red cell enzyme deficiencies) and haemoglobinopathies (Sickle cell disease, Beta Thalassaemia: Major, Intermedia, Minor, Trait and Alpha Thalassaemia etc.) are to be considered unfit for service."
  ]
}

```

"In the presence of history of haemorrhage into the skin like ecchymosis/petechiae, epistaxis, bleeding from gums and alimentary tract, persistent bleeding after minor trauma or lacerations/tooth extraction or menorrhagia in females and any family history of haemophilia or other bleeding disorders a full evaluation will be carried out. These cases will not be acceptable for entry to service.",

"All candidates with clinical evidence of purpura or evidence of thrombocytopenia are to be considered unfit for service.",

"Candidates with history of haemophilia, von Willebrand's disease, on evaluation, are to be declared unfit for service at entry level.",

"Monocytosis: Absolute monocyte counts greater than 1000/cu mm or more than or equal to 10% of total WBC counts is to be deemed unfit.",

"Eosinophilia: Absolute eosinophil counts greater than or equal to 500/cu mm is deemed unfit.",

"Haemoglobin more than 16.5g/dL in males and more than 16g/dL in females will be considered as Polycythemia and deemed Unfit."

]

},

"dental_fitness_standards": {

"history_and_examination": [

"The examiner should enquire whether the candidate has any past history of major dental procedures or alterations.",

"Significant past history of ulceration or infection of the tongue, gums or throat should be documented.",

"History suggestive of premalignant lesions or pathologies that are prone for recurrence should be elicited."

],

"dental_standards": [

{

"standard": "Candidate must have a minimum of 14 dental points and the following teeth must be present in the upper jaw in good functional opposition with the corresponding teeth in the lower jaw:",

"requirements": [

"Any four of the six anterior",

"Any six of the ten posterior"

]

},

{

"standard": "Each incisor, canine 1st and 2nd premolar will have a value of one point provided their corresponding opposite teeth are present."

},

{

"standard": "Each 1st and 2nd molar and well developed 3rd molar will have the value of two points, provided in good opposition to corresponding teeth in the opposing jaw."

},

{

"standard": "In case 3rd molar is not well developed, it will have a value of one point only."

},

{

"standard": "When all the 16 teeth are present in the upper jaw and in good functional opposition to corresponding teeth in the lower jaw, the total value will be 20 or 22 points according to whether the 3rd molars are well developed or not."

},

```

{
    "standard": "All removable dental prosthesis will be removed during oral examination and not be awarded any dental points except in the case of ex-serviceman applying for re-enrolment, who will be awarded dental points for well fitting removable prostheses."
}
],
"extra_oral_examination": [
{
    "standard": "Gross facial examination.",
    "details": "Presence of any gross asymmetry or soft/hard tissue defects/scars or if any incipient pathological condition of the jaw is suspected, it will be a cause of rejection."
},
{
    "standard": "Functional examination",
    "details": [
{
    "sub_standard": "Temporomandibular joint (TMJ)",
    "details": "TMJs will be bilaterally palpated for tenderness and/or clicking. Candidates with symptomatic clicking and/or tenderness or dislocation of the TMJ on wide opening will be rejected."
},
{
    "sub_standard": "Mouth Opening",
    "details": "A mouth opening of less than 30 mm measured at the incisal edges will be reason for rejection."
}
]
}
],
"guidelines_awarding_dental_points": [
{
    "condition": "Dental caries",
    "details": "Teeth with caries that have not been restored or teeth associated with broken down crowns, pulp exposure, residual root stumps, teeth with abscesses and/or sinuses will not be counted for award of dental points."
},
{
    "condition": "Restorations",
    "details": "Teeth having restorations that appear to be improper/broken/discoled will not be awarded dental points. Teeth restored by use of inappropriate materials, temporary or fractured restorations with doubtful marginal integrity or peri-apical pathology will not be awarded dental points."
},
{
    "condition": "Loose teeth",

```

"details": "Loose/mobile teeth with clinically demonstrable mobility will not be awarded dental points. Periodontally splinted teeth will not be counted for award of dental points."

},

{

"condition": "Retained deciduous teeth",

"details": "Retained deciduous teeth will not be awarded dental points."

},

{

"condition": "Morphological defects",

"details": "Teeth with structural defects which compromise efficient mastication will not be awarded dental points."

},

{

"condition": "Periodontium",

"details": [

{

"sub_condition": "Gums",

"details": "The condition of the gums, of the teeth included for counting dental points, should be healthy, i.e., pink in colour, firm in consistency and firmly resting against the necks of the teeth. Visible calculus should not be present."

},

{

"sub_condition": "Individual teeth with swollen, red or infected gums or those with visible calculus will not be awarded dental points."

},

{

"sub_condition": "Generalized calculus",

"details": "Candidates with generalized calculus, extensive swollen and red gums, with or without exudates, shall be rejected."

}

]

},

{

"condition": "Malocclusion",

"details": "Candidates with malocclusion affecting masticatory efficiency and phonetics shall not be recruited. Teeth in open bite will not be awarded dental points as they are not considered to be in functional apposition. Candidates having an open bite, reverse overjet or any visible malocclusion will be rejected. However, if in the opinion of the dental officer, the malocclusion of teeth is not hampering efficient mastication, phonetics, maintenance of oral hygiene or general nutrition or performance of duties efficiently, then candidates will be declared FIT.",

"criteria": [

{

"sub_condition": "Edge to edge bite",

"details": "Edge to edge bite will be considered as functional apposition."

},

```

{
  "sub_condition": "Anterior Open Bite",
  "details": "Anterior open bite is to be taken as lack of functional opposition of involved teeth."
},
{
  "sub_condition": "Cross bite",
  "details": "Teeth in cross bite may still be in functional occlusion and may be awarded points, if so."
},
{
  "sub_condition": "Traumatic bite",
  "details": "Anterior teeth involved in a deep impinging bite which is causing traumatic indentations on the palate will not be counted for award of points."
}
]
},
{
  "condition": "Hard and Soft tissues",
  "details": "Soft tissues of cheek, lips, palate, tongue and sublingual region and maxilla/mandibular bony apparatus must be examined for any swelling, discoloration, ulcers, scars, white patches, sub mucous fibrosis etc. All potentially malignant lesions will be cause for rejection. Clinical diagnosis for sub mucous fibrosis with or without restriction of mouth opening will be a cause of rejection. Bony lesion(s) will be assessed for their pathological/physiological nature and commented upon accordingly. Any hard or soft tissue lesion will be a cause of rejection."
},
{
  "condition": "Orthotic appliances",
  "details": "Fixed orthodontics lingual retainers will not be considered as periodontal splints and teeth included in these retainers will be awarded points for dental fitness. Candidates wearing fixed or removable orthodontic appliances will be declared UNFIT."
},
{
  "condition": "Dental implants",
  "details": "When an implant supported crown replaces a single missing tooth, the prosthesis may be awarded dental points as for natural teeth provided the prosthesis is in functional apposition and the integrity of the implant is confirmed."
},
{
  "condition": "Fixed Partial Dentures (FPD) / Implant supported FPDs",
  "details": "FPDs will be assessed clinically and radiologically for firmness, functional apposition to opposing teeth and periodontal health of the abutments. If all parameters are found satisfactory, dental points will be awarded as follows:",
  "criteria": [
    {
      "sub_condition": "Tooth supported FPDs",
      "details": [

```

```

{
  "sub_sub_condition": "Prosthesis, 3 units",
  "details": "Dental points will be awarded for the abutments and the pontic."
},
{
  "sub_sub_condition": "Prosthesis, more than 3 units",
  "details": "Dental points will be awarded only to the abutments. No points will be awarded for the pontics."
},
{
  "sub_sub_condition": "Cantilever FDPs",
  "details": "Dental points will be awarded only to the abutments."
}
]
},
{
  "sub_condition": "Implant supported FPDs",
  "details": [
    {
      "sub_sub_condition": "Prosthesis, 3 units",
      "details": "Dental points will be awarded for the natural teeth, implant and the pontic."
    },
    {
      "sub_sub_condition": "Prosthesis, more than 3 units",
      "details": "Dental points will be awarded only to the natural teeth. No points are to be awarded for pontics and implant(s)."
    },
    {
      "sub_sub_condition": "Two unit cantilever FDPs",
      "details": "Dental points will be awarded only to the implants."
    }
  ]
}
],
"notes": [
  {
    "note": "A maximum of 02 implants will be permitted in a candidate. No points will be given for implants/implant supported prosthesis in excess of the 02 permissible implants. In the case of a candidate having 03 or more implants/implant supported prosthesis, which 02 are to be awarded marks will be based on the clinical judgment of the dental officer."
  }
]

```



```

    ]
  }
],
"unfit_criteria": [
  {
    "condition": "Oral hygiene",
    "details": "Poor oral health status in the form of gross visible calculus, periodontal pockets and/or bleeding from gums will render candidate UNFIT."
  },
  {
    "condition": "Candidates reporting post maxillo-facial surgery/ maxillofacial trauma",
    "details": "Candidates who undergo cosmetic or post-traumatic maxillofacial surgery/trauma will be UNFIT for at least 24 weeks from the date of surgery/injury whichever is later. After this period, if there is no residual deformity or functional deficit, they will be assessed as per the laid down criteria."
  },
  {
    "condition": "Advanced stage of generalized active lesions of pyorrhoea, acute ulcerative gingivitis, and gross abnormality of the teeth or jaws or with numerous caries or septic teeth",
    "details": "Candidates with dental arches affected by the mentioned conditions will be rejected."
  }
]
}
},
{
  "Scheme_of_NDA_Examination": {
    "Subjects": [
      {
        "name": "Mathematics",
        "code": "01",
        "duration": "2½ Hours",
        "maximum_marks": 300
      },
      {
        "name": "General Ability Test",
        "code": "02",
        "duration": "2½ Hours",
        "maximum_marks": 600
      }
    ]
  },

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"total_marks": 900,

"SSB_Test_Interview": 900,

"Notes": [

"The papers in all the subjects will consist of objective type questions only.",

"The question papers (test booklets) of Mathematics and part 'B' of General Ability Test will be set bilingually in Hindi as well as English.",

"In the question papers, wherever necessary, questions involving the metric system of weights and measures only will be set.",

"Candidates must write the papers in their own hand. In no circumstances will they be allowed the help of a scribe to write answers for them.",

"The Commission have discretion to fix qualifying marks in any or all the subjects at the examination.",

"The candidates are not permitted to use calculator or mathematical or logarithmic table for answering objective type papers (test booklets). They should not therefore, bring the same inside the examination hall."

]

},

"Syllabus_of_the_NDA_Examination": {

"Paper_I": {

"name": "Mathematics",

"code": "01",

"maximum_marks": 300,

"topics": [

{

"name": "Algebra",

"details": [

"Concept of set, operations on sets, Venn diagrams.",

"De Morgan laws, Cartesian product, relation, equivalence relation.",

"Representation of real numbers on a line.",

"Complex numbers—basic properties, modulus, argument, cube roots of unity.",

"Binary system of numbers. Conversion of a number in decimal system to binary system and vice-versa.",

"Arithmetic, Geometric and Harmonic progressions.",

"Quadratic equations with real coefficients.",

"Solution of linear inequations of two variables by graphs.",

"Permutation and Combination.",

"Binomial theorem and its applications.",

"Logarithms and their applications."

]

},

{

"name": "Matrices and Determinants",

"details": [

```

    "Types of matrices, operations on matrices.",
    "Determinant of a matrix, basic properties of determinants.",
    "Adjoint and inverse of a square matrix.",
    "Applications-Solution of a system of linear equations in two or three unknowns by Cramer's rule and by Matrix Method."
]
},
{
    "name": "Trigonometry",
    "details": [
        "Angles and their measures in degrees and in radians.",
        "Trigonometrical ratios. Trigonometric identities Sum and difference formulae.",
        "Multiple and Sub-multiple angles.",
        "Inverse trigonometric functions.",
        "Applications-Height and distance, properties of triangles."
    ]
},
{
    "name": "Analytical Geometry of Two and Three Dimensions",
    "details": [
        "Rectangular Cartesian Coordinate system.",
        "Distance formula.",
        "Equation of a line in various forms.",
        "Angle between two lines.",
        "Distance of a point from a line.",
        "Equation of a circle in standard and in general form.",
        "Standard forms of parabola, ellipse and hyperbola.",
        "Eccentricity and axis of a conic.",
        "Point in a three dimensional space, distance between two points.",
        "Direction Cosines and direction ratios.",
        "Equation of a plane and a line in various forms.",
        "Angle between two lines and angle between two planes.",
        "Equation of a sphere."
    ]
},
{
    "name": "Differential Calculus",
    "details": [
        "Concept of a real valued function-domain, range and graph of a function.",

```

"Composite functions, one to one, onto and inverse functions.",

"Notion of limit, Standard limits—examples.",

"Continuity of functions—examples, algebraic operations on continuous functions.",

"Derivative of function at a point, geometrical and physical interpretation of a derivative—applications.",

"Derivatives of sum, product and quotient of functions, derivative of a function with respect to another function, derivative of a composite function.",

"Second order derivatives.",

"Increasing and decreasing functions.",

"Application of derivatives in problems of maxima and minima."

]

},

{

"name": "Integral Calculus and Differential Equations",

"details": [

"Integration as inverse of differentiation, integration by substitution and by parts, standard integrals involving algebraic expressions, trigonometric, exponential and hyperbolic functions.",

"Evaluation of definite integrals—determination of areas of plane regions bounded by curves—applications.",

"Definition of order and degree of a differential equation, formation of a differential equation by examples.",

"General and particular solution of a differential equations, solution of first order and first degree differential equations of various types—examples.",

"Application in problems of growth and decay."

]

},

{

"name": "Vector Algebra",

"details": [

"Vectors in two and three dimensions, magnitude and direction of a vector.",

"Unit and null vectors, addition of vectors, scalar multiplication of a vector, scalar product or dot product of two vectors.",

"Vector product or cross product of two vectors.",

"Applications—work done by a force and moment of a force and in geometrical problems."

]

},

{

"name": "Statistics and Probability",

"details": [

{

"name": "Statistics",

"details": [

"Classification of data, Frequency distribution, cumulative frequency distribution—examples.",

```

    "Graphical representation—Histogram, Pie Chart, frequency polygon—examples.",
    "Measures of Central tendency—Mean, median and mode.",
    "Variance and standard deviation—determination and comparison.",
    "Correlation and regression."
  ]
},
{
  "name": "Probability",
  "details": [
    "Random experiment, outcomes and associated sample space, events, mutually exclusive and exhaustive events, impossible and certain events.",
    "Union and Intersection of events.",
    "Complementary, elementary and composite events.",
    "Definition of probability—classical and statistical—examples.",
    "Elementary theorems on probability—simple problems.",
    "Conditional probability, Bayes' theorem—simple problems.",
    "Random variable as function on a sample space.",
    "Binomial distribution, examples of random experiments giving rise to Binominal distribution."
  ]
}
]
},
{
  "Paper_II": {
    "name": "General Ability Test",
    "code": "02",
    "maximum_marks": 600,
    "parts": [
      {
        "part": "A",
        "name": "English",
        "maximum_marks": 200,
        "details": [
          "The question paper in English will be designed to test the candidate's understanding of English and workman like use of words.",
          "The syllabus covers various aspects like: Grammar and usage, vocabulary, comprehension and cohesion in extended text to test the candidate's proficiency in English."
        ]
      }
    ]
  }
}

```

```

},

{
  "part": "B",

  "name": "General Knowledge",

  "maximum_marks": 400,

  "sections": [

    {

      "section": "A",

      "name": "Physics",

      "details": [

        "Physical Properties and States of Matter, Mass, Weight, Volume, Density and Specific Gravity, Principle of Archimedes, Pressure Barometer.",

        "Motion of objects, Velocity and Acceleration, Newton's Laws of Motion, Force and Momentum, Parallelogram of Forces, Stability and Equilibrium of bodies, Gravitation, elementary ideas of work, Power and Energy.",

        "Effects of Heat, Measurement of Temperature and Heat, change of State and Latent Heat, Modes of transference of Heat.",

        "Sound waves and their properties, Simple musical instruments.",

        "Rectilinear propagation of Light, Reflection and refraction. Spherical mirrors and Lenses, Human Eye.",

        "Natural and Artificial Magnets, Properties of a Magnet, Earth as a Magnet.",

        "Static and Current Electricity, conductors and Non-conductors, Ohm's Law, Simple Electrical Circuits, Heating, Lighting and Magnetic effects of Current, Measurement of Electrical Power, Primary and Secondary Cells, Use of X-Rays.",

        "General Principles in the working of the following: Simple Pendulum, Simple Pulleys, Siphon, Levers, Balloon, Pumps, Hydrometer, Pressure Cooker, Thermos Flask, Gramophone, Telegraphs, Telephone, Periscope, Telescope, Microscope, Mariner's Compass; Lightening Conductors, Safety Fuses."

      ]

    },

    {

      "section": "B",

      "name": "Chemistry",

      "details": [

        "Physical and Chemical changes. Elements, Mixtures and Compounds, Symbols, Formulae and simple Chemical Equations, Law of Chemical Combination (excluding problems).",

        "Properties of Air and Water.",

        "Preparation and Properties of Hydrogen, Oxygen, Nitrogen and Carbondioxide, Oxidation and Reduction.",

        "Acids, bases and salts.",

        "Carbon—different forms.",

        "Fertilizers—Natural and Artificial.",

        "Material used in the preparation of substances like Soap, Glass, Ink, Paper, Cement, Paints, Safety Matches and Gun-Powder.",

        "Elementary ideas about the structure of Atom, Atomic Equivalent and Molecular Weights, Valency."

      ]

    }

  ],

}

```

```

{
  "section": "C",
  "name": "General Science",
  "details": [
    "Difference between the living and non-living. Basis of Life—Cells, Protoplasm and Tissues.",
    "Growth and Reproduction in Plants and Animals.",
    "Elementary knowledge of Human Body and its important organs.",
    "Common Epidemics, their causes and prevention.",
    "Food—Source of Energy for man. Constituents of food, Balanced Diet.",
    "The Solar System—Meteors and Comets, Eclipses.",
    "Achievements of Eminent Scientists."
  ]
},
{
  "section": "D",
  "name": "History, Freedom Movement etc.",
  "details": [
    "A broad survey of Indian History, with emphasis on Culture and Civilisation.",
    "Freedom Movement in India.",
    "Elementary study of Indian Constitution and Administration.",
    "Elementary knowledge of Five Year Plans of India.",
    "Panchayati Raj, Co-operatives and Community Development.",
    "Bhoodan, Sarvodaya, National Integration and Welfare State, Basic Teachings of Mahatma Gandhi.",
    "Forces shaping the modern world; Renaissance, Exploration and Discovery; War of American Independence.",
    "French Revolution, Industrial Revolution and Russian Revolution.",
    "Impact of Science and Technology on Society.",
    "Concept of one World, United Nations, Panchsheel, Democracy, Socialism and Communism.",
    "Role of India in the present world."
  ]
},
{
  "section": "E",
  "name": "Geography",
  "details": [
    "The Earth, its shape and size. Latitudes and Longitudes, Concept of time. International Date Line.",
    "Movements of Earth and their effects. Origin of Earth.",
    "Rocks and their classification; Weathering—Mechanical and Chemical, Earthquakes and Volcanoes."
  ]
}

```

"Ocean Currents and Tides Atmosphere and its composition; Temperature and Atmospheric Pressure, Planetary Winds, Cyclones and Anti-cyclones; Humidity; Condensation and Precipitation; Types of Climate, Major Natural regions of the World.",

"Regional Geography of India—Climate, Natural vegetation. Mineral and Power resources; location and distribution of agricultural and Industrial activities.",

"Important Sea ports and main sea, land and air routes of India.",

"Main items of Imports and Exports of India."

]

},

{

"section": "F",

"name": "Current Events",

"details": [

"Knowledge of Important events that have happened in India in the recent years.",

"Current important world events.",

"Prominent personalities—both Indian and International including those connected with cultural activities and sports."

]

}

],

"note": "Out of maximum marks assigned to part 'B' of this paper, questions on Sections 'A', 'B', 'C', 'D', 'E' and 'F' will carry approximately 25%, 15%, 10%, 20%, 20% and 10% weightages respectively."

}

]

}

}

},

{

"SSB_Interview_Documents": {

"Admit_Card": {

"description": "Contains roll number, exam date, and center. Essential for entry to the interview."

},

"Identity_Proof": {

"description": "Government-issued ID (Aadhar Card, Voter ID, Driving License, Passport). Ensure the name matches your admit card."

},

"Educational_Certificates": {

"description": "Certificates from 10th standard to the highest degree. Necessary for verification."

},

"Character_Certificate": {

"description": "Certifies your character and conduct. Issued by school/college principal or government official, not older than six months."


```

},
"Medical_Certificate": {
  "description": "Certifies that you are fit for the SSB interview. Issued by a government-authorized medical practitioner, not older than six months."
},
"NCC_Certificate": {
  "description": "If participated in NCC (National Cadet Corps). Considered an added advantage."
},
"Sports_Certificates": {
  "description": "If participated in national/international level sports activities. Considered an added advantage."
},
"Covid19_Test_Report": {
  "description": "Negative Covid-19 test report if required by some boards."
},
"Additional_Documents": {
  "Matric_Higher_Secondary_Certificate": {
    "description": "Original and one attested copy in support of age."
  },
  "Degree_Provisional_Certificate": {
    "description": "Original/Provisional degree from the University/Institution and marks sheets of all years/semesters along with photocopies."
  },
  "Proof_of_Identity_with_Photo": {
    "description": "Such as voter ID, PAN card, driving license, passport, or UPSC admit card."
  },
  "NDA_TES_Candidates_Proof": {
    "description": "Certificate with photo issued by the principal as proof of identity."
  },
  "Passport_Size_Photos": {
    "description": "Twenty copies, unattested, in a white shirt (not in a coat)."
  },
  "Final_Year_Candidates_Certificate": {
    "description": "Certificate from the principal stating that the final year result will be declared by a specific date."
  },
  "Bonafide_Certificate": {
    "description": "For candidates who have submitted certificates/marksheets in college for higher studies. Must bring a certified true copy."
  },
  "Risk_Certificate": {

```

```

    "description": "Applicable to NDA and TES Candidates."
  },
  "NCC_C_Certificate": {
    "description": "Original NCC 'C' Certificate (Army/Navy/Airforce Wing) with one attested copy for reserved vacancies."
  },
  "Provisional_Degree_Certificate": {
    "description": "Recommended candidates to submit an attested photocopy by Class-I Gazetted Officer."
  },
  "Statement_of_Marks": {
    "description": "Not acceptable in lieu of original certificates or any other date of birth certificate."
  },
  "Application_Form_Specimen": {
    "description": "Follow the format mentioned in the call letter."
  }
}
}
{
  "AFSB_Documents_Checklist": {
    "AFCAT_Admit_Card": {
      "description": "Admit card for the AFCAT exam."
    },
    "Original_Matriculation_Secondary_School_Certificate_and_Mark_Sheets": {
      "description": "Issued by CBSE/ ICSE/ State Board. No other certificate will be accepted for verification of Date of Birth."
    },
    "Original_Marks_Sheet_Certificate_of_10+2": {
      "description": "Issued by the relevant Board."
    },
    "Original_Provisional_Graduation_Post_Graduation_Degree_Certificates_and_Mark_Sheet": {
      "description": "Issued by University - only for verification of educational qualifications to check eligibility for the course. Provisional Certificate issued by college Principal is not acceptable. However, Provisional Degree Certificate issued by the University is acceptable."
    },
    "Final_Year_Semester_Students_Certificate": {
      "description": "Certificate from the College Principal with proper stamp and seal of the Institution, mentioning the Name of the College, Name of the University, Discipline in which Graduation/ Post Graduation obtained, Aggregate Percentage, Likely Date of Declaration of Final Result (in DD/MM/YYYY Format)."
    },
    "Two_Attested_Photocopies_of_Certificates": {
      "description": "Two attested photocopies of each of the above-mentioned certificates."
    }
  }
}

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},

"Original_NCC_Certificate": {

  "description": "If applicable."

},

"NOC_from_Employers": {

  "description": "For candidates working in Central/ State Govt. or Public Sector Undertakings."

},

"Original_Valid_Commercial_Pilots_License": {

  "description": "Issued by DGCA, if applicable."

},

"Inbound_Railway_Bus_Tickets": {

  "description": "For refund of Travelling Allowance."

},

"Passport_Size_Colour_Photos": {

  "description": "Twenty copies of recent passport size colour photographs taken in light coloured clothes against white background for documentation."

}

},

{

  "AFSB_Details": {

    "1_AFSB_Dehradun": {

      "Name": "1 Air Force Selection Board",

      "Address": "Clement Town, Dehradun Uttarakhand- 248002",

      "Contact": {

        "Telefax": "0135-2642269",

        "Mobile": "9084735858"

      },

      "NRS": "Dehradun, Distance 12 Kms by Taxi from AFSB",

      "Airport": "Dehradun- Distance 30 Kms Taxi from AFSB",

      "Bus_Stand": "ISBT Distance 5 Kms from AFSB"

    },

    "2_AFSB_Mysuru": {

      "Name": "2 Air Force Selection Board",

      "Address": "Chamundi Vihar Complex, Siddhartha Nagar, Mysuru Karnataka – 570011",

      "Contact": {

        "Phone": "0821-2526621",

        "Fax": "0821-2526612",

```

```
"Mobile": "9482604621"

},

"NRS": "Mysuru, Distance 6 Km by Taxi/Auto from AFSB",

"Airport": "Mysuru- Distance 15 Km by Taxi/Auto from AFSB",

"Bus_Stand": "KSRTC Distance 4 Km by Taxi/Auto from AFSB"

},

"4_AFSB_Varanasi": {

  "Name": "4 Air Force Selection Board",

  "Address": "Varanasi Cantt, Nadesar, Varanasi UP-221002",

  "Contact": {

    "Telefax": "0542-2501995"

  },

  "NRS": "Varanasi Cantt- Distance 1 Km by Taxi/Auto from AFSB",

  "Airport": "Varanasi- Distance 25 Km by Taxi/Auto from AFSB",

  "Bus_Stand": "Varanasi - Distance 2 Km by Taxi/Auto from AFSB"

},

"3_AFSB_Gandhinagar": {

  "Name": "3 Air Force Selection Board",

  "Address": "GIDC Estate, Sector-25, Gandhinagar Gujarat- 382024",

  "Contact": {

    "Telefax": "079-29750823",

    "Mobile": "9426142460"

  },

  "NRS": "Gandhinagar (Capital) – Distance 4 Km by Taxi/Auto from AFSB",

  "Airport": "Ahmedabad. Distance 38 Km by Taxi/Auto from AFSB",

  "Bus_Stand": "Gandhinagar – Distance 7 Km by Taxi/Auto from AFSB"

},

"5_AFSB_Guwahati": {

  "Name": "5 Air Force Selection Board",

  "Address": "Near VIP Chowk, Guwahati Assam- 784015",

  "Contact": {

    "Tele": "0361-2840015",

    "Mobile": "9394805271"

  },

  "NRS": "Guwahati Distance 24 Km by Taxi/Auto from AFSB",

  "Airport": "Guwahati- Distance 1 Km by Taxi/Auto from AFSB",

  "Bus_Stand": "ISBT Guwahati- Distance 20 Km by Taxi/Auto from AFSB"

}
```

},

"Travel_Allowance": {

"Description": "To and from travelling fare by the shortest route of AC-III Tier/AC Chair Car or actual normal bus fare will be reimbursed to the candidates appearing in AFSB for the first time.",

"Instructions": [

"Change of address, if any, must be intimated to the Board well before arrival.",

"You shall furnish the railway ticket/bus ticket (hard copy) to the Board, failing which no TA will be paid.",

"For all other modes of travel, TA will be admissible as per the government authorized rules.",

"No TA is admissible if you have already appeared for the same type of entry at any of the Selection Boards.",

"Candidates are to carry cancelled Cheque for Online Payment.",

"Candidates are also advised to bring twenty copies of recent passport size colour photographs taken in light coloured clothes against white background for documentation."

]

}

},

{

"IAF": {

"Officer": {

"Description": "An officer is a member of an armed force or uniformed service who holds a position of authority. To be able to lead and control, requires the ability to motivate yourself, inspire others and make tough decisions efficiently.",

"Training": "When you join to become an Air Force Officer, we'll help you develop your leadership and management skills, preparing you fully to take on the challenge of leading in real life situations. Lessons in team work, developing communication skills and confidence, honing strategic and dynamic thinking and preparing you to face pressure with ease are drilled into an officer during his/her training.",

"Attributes": "The Air Force teaches you all, not only making men and women of young boys and girls, but making them leaders in life. An Officer's strength of character and strong moral compass make him/her stand out from the crowd at all times.",

"Responsibilities": "As an Officer in the IAF, you will inherit the glorious heritage and timeless traditions of the IAF, blended perfectly with the latest technology as well you will strategize, lead and manage. As an Officer in the IAF, you're tasked with upholding the constitution and protecting India's freedom. The responsibility is enormous but it's not only about work it's also about living well.",

"Career_Progression": "After successful completion, a trainee is commissioned into the service and starts his/her career in the rank of the Flying Officer. Every officer gets a chance to rise in his/her career depending upon the branch, available vacancies in a rank and performance of the officer during his/her career.",

"Ranks": [

"Air Chief Marshal",

"Air Marshal",

"Air Vice Marshal",

"Air Commodore",

"Group Captain",

"Wing Commander",

"Squadron Leader",

"Flight Lieutenant",

"Flying Officer"

]

},

"Airmen": {

"Description": "As an airman, you're tasked to provide support, be it technical support in maintenance of IAF inventory, runway, communication, management of human resources, security, firefighting, driving special vehicles etc. in achieving the goal of IAF. The airmen are inducted in four categories viz. Gp X, Y, Z and Agniveer respectively.",

"Ranks": [

"Master Warrant Officer",

"Warrant Officer",

"Junior Warrant Officer",

"Sergeant",

"Corporal",

"Leading Aircraftman",

"Aircraftman"

],

"Recruitment_Agency": {

"Name": "Central Airmen Selection Board (CASB)",

"Location": "Brar Square, Delhi Cantt. New Delhi-110010",

"Contact": {

"Telephone": ["011-25699606", "011-25694209"],

"Email": "casbiaf@cdac.in",

"Website": "https://careerindianairforce.cdac.in"

}

}

},

"NC_E": {

"Description": "As a Non Combat(enrolled), you're tasked to maintain office premises, surroundings, cookhouses and helping hand in various other tasks. Once an individual joins as an NC (E), select few can become NC (E) Tindal."

}

}

},

{

"Training_Establishments": {

"AFAC": {

"Name": "Air Force Administrative College",

"Location": "Coimbatore",

"Description": "AFAC is one of the oldest training establishments of the Indian Air Force. It conducts training programs for in-service officers of the Air Force, Navy, and Army as well as officers of friendly foreign countries.",

"Courses": [

"Ground Duty (Technical & Non-technical)",

```

"Basic Air Staff Course: Officers (BASCO)",
"Intermediate Air Staff Course: Officers (ISCO)",
"Basic Professional Knowledge Course: Officers (BPKC)",
"Advanced Professional Knowledge Course: Officers (APKC)",
"Para Legal Course"
]
},
"Flying_Training_Establishments": {
  "Description": "The Indian Air Force has Flying Training Establishments (FTE) exclusively set up to train you to take off as a pilot. Each establishment is a mark of your progression, from basic to more complex levels of flying. On completion of training, you are awarded your Wings at a Combined Graduation Parade held at the Air Force Academy.",
  "Establishments": [
    "Air Force Academy (Dundigal) – STAGE 0 & I flying training (six months each) along with Joint service training",
    "Hakimpet (Secunderabad)",
    "Transport Training Wing, Yelahanka (Bangalore)",
    "Bidar (Karnataka)",
    "Kalaikunda (West Bengal)"
  ],
  "Stages": {
    "STAGE_II": {
      "Fighter_Stream": {
        "Duration": "24 Weeks",
        "Locations": ["Hakimpet"]
      },
      "Transport_Stream": {
        "Duration": "48 Weeks",
        "Locations": ["Yelahanka"]
      },
      "Helicopter_Stream": {
        "Duration": "24 Weeks",
        "Locations": ["Hakimpet"]
      }
    },
    "STAGE_III": {
      "Fighter_Stream": {
        "Duration": "24 Weeks",
        "Locations": ["Bidar", "Kalaikunda"]
      }
    }
  }
},

```

```

"Transport_Stream": {
  "Duration": "48 Weeks",
  "Locations": ["Yelahanka"]
},
"Helicopter_Stream": {
  "Duration": "24 Weeks",
  "Locations": ["Yelahanka"]
}
}
}
},
"AFTC": {
  "Name": "Air Force Technical College",
  "Location": "Bengaluru",
  "Description": "On completion of 22 weeks of initial training conducted at Air Force Academy, the remaining 52 weeks of training of engineering officers is conducted at AFTC. The training includes work in electronic and propulsion labs, visits to R & D establishments, aviation, electronic industries and frontline field units.",
  "Training_Structure": {
    "Terms": 2,
    "Term_Duration": "24 weeks each",
    "Activities": [
      "Work in electronic and propulsion labs",
      "Specialisation visits",
      "Theoretical knowledge and hands-on experience"
    ]
  }
},
"AFA": {
  "Name": "Air Force Academy",
  "Location": "Dundigal",
  "Description": "Since its inception in 1971, Air Force Academy at Dundigal has built a formidable reputation as the premier training institution of the Indian Air Force. It is situated 43 km from Hyderabad.",
  "Training_Types": [
    "Joint Services Training",
    "Flying Training",
    "Ground Duty Officers Training",
    "Air Traffic Control Officers Training",
    "Advance Training For Meteorological Officers"
  ],

```



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"Joint_Services_Training": {
    "Description": "Initial phase of joint training wherein, cadets of all branches undergo common training on subjects like General Administration, management, logistics, engineering, leadership etc. covering generic matter."
},
"Flying_Training": {
    "Stages": [
        {
            "Stage": "STAGE I",
            "Duration": "24 weeks",
            "Description": "Fundamental to more complex levels of aviation."
        },
        {
            "Stage": "STAGE II",
            "Duration": "24 weeks",
            "Streams": ["Fighter", "Transport", "Helicopter"]
        },
        {
            "Stage": "STAGE III",
            "Description": "Operational flying at the squadrons/units assigned to them."
        }
    ],
    "Pre_Flying_Training": "Trainees other than NDA cadets are first sent for Pre-Flying Training at AFA for six months before commencing STAGE –I training."
},
"Ground_Duty_Officers_Training": {
    "Branches": [
        "Administrative",
        "Logistics",
        "Weapon Systems",
        "Accounts",
        "Education",
        "Meteorology"
    ],
    "Description": "Ground Duty (Non-technical) branches are trained at AFA for a year. Ground Duty (Technical) Branch trainees are imparted their initial phase of training of 22 weeks at the Academy."
},
"Air_Traffic_Control_Officers_Training": {
    "Description": "Training for Air Traffic Control Courses is conducted at the Air Traffic Officers Training Establishment (ATCOTE). The training is designed and structured on the basis of the International Civil Aviation Organisation (ICAO) procedures.",

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```

    "Course": "Basic Air Traffic Controllers (BATCO) Course",

    "Simulator": "Visual Tower Simulator (VITOSIM)"

},

"Advance_Training_For_Meteorological_Officers": {

    "Description": "It conducts various ab-initio and professional career courses for the Officers of the Meteorology branch of IAF, sister
services, HAL officers and officers from friendly foreign countries.",

    "Courses": [

        "Initial Forecasters Course (IFC)",

        "Professional Knowledge Course (PKC)"

    ],

    "Post_Commissioning_Course": {

        "Duration": "12 weeks",

        "Name": "Initial Forecasters Course (IFC)"

    }

},

"NDA": {

    "Name": "National Defence Academy",

    "Location": "Khadakwasla",

    "Description": "Nurturing heroes for more than 50 years, the National Defence Academy is one of the foremost training institutes in
India. It is one of the most prestigious inter-services training establishments in India.",

    "Curriculum": [

        "Flying Trainings",

        "Ground Training",

        "Air warrior Training"

    ],

    "Training_Duration": "3 years",

    "Post_Completion_Training": {

        "Location": "Air Force Academy",

        "Duration": "1 year",

        "Outcome": "Commissioned as Permanent Commission Officers"

    }

},

{

    "Post-10+2": {

        "National Defence Academy (NDA)": {

```

"Entry Recruitment Managed By": "Union Public Service Commission (UPSC)",

"Gender": "Male & Female",

"Branches": [
 "Flying",
 "Aeronautical Engineering (Electronics)",
 "Administration and Logistics"
],

"Type Of Commission": "Permanent Commission",

"Eligibility Criteria": {
 "Must be an Indian Citizen": true
},

"Education Qualification": {
 "10+2 with Physics, Chemistry and Mathematics": true,
 "Students appearing in 12th standard can also apply": true
},

"Age Limit": "16 ½ to 19 ½ years as on date of commencement of training",

"Advertisement Schedule": "Refer <https://www.upsc.gov.in/> (tentatively during May & Dec)",

"Advertisement Released By": "UPSC",

"Training Scheduled At": "National Defence Academy",

"Marital Status Of The Candidate": "Unmarried"

}

,

"Graduate": {
 "Air Force Common Admission Test (AFCAT) Entry": {
 "Branches": {
 "Flying": {
 "Gender": "Male & Female",
 "Type Of Commission": "Short Service Commission (SSC) For Men & Women",
 "Age": "20 to 24 years as on date of commencement of training",
 "Additional Age Relaxation": "2 years for Commercial Pilot Licence holders",
 "Advertisement Schedule": "June and December (www.afcat.cdac.in)",
 "Advertisement Released By": "Indian Air Force/DISHA Cell",
 "Training Scheduled At": "Air Force Academy",
 "Marital Status Of The Candidate": "Unmarried",
 "Educational Qualifications": {
 "10+2": {
 "Maths & Physics": "Minimum of 50% marks each"
 }
 }
 }
 }
 }

```

"Graduation": {
  "Minimum": "60% marks or equivalent",
  "Courses": [
    "Any discipline",
    "BE/B Tech (Four years course)",
    "Section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India"
  ]
}
},
"Ground Duty (Technical)": {
  "Branches": [
    "Aeronautical Engineering (Mechanical)",
    "Aeronautical Engineering (Electronics)"
  ],
  "Gender": "Male & Female",
  "Type Of Commission": "Short Service Commission (SSC) For Men & Women",
  "Age": "20 to 26 years as on date of commencement of training",
  "Advertisement Schedule": "June and December",
  "Advertisement Released By": "IAF/DISHA Cell",
  "Training Scheduled At": "Air Force Academy followed by Air Force Technical College",
  "Marital Status Of The Candidate": "Unmarried",
  "Educational Qualifications": {
    "AERONAUTICAL ENGINEER (ELECTRONICS)": {
      "10+2": {
        "Maths & Physics": "Minimum of 50% marks each"
      },
      "Graduation": {
        "Four years": true,
        "Minimum": "60% marks or equivalent",
        "Disciplines": [
          "Communication Engineering",
          "Computer Engineering/Technology",
          "Electronics Engineering/Technology",
          "Information Technology",
          "Cyber Security",
          "Applied Electronics & Instrumentation"
        ]
      }
    }
  }
}

```

```

    }
  },
  "AERONAUTICAL ENGINEER (MECHANICAL)": {
    "10+2": {
      "Maths & Physics": "Minimum of 50% marks each"
    },
    "Graduation": {
      "Four years": true,
      "Minimum": "60% marks or equivalent",
      "Disciplines": [
        "Aerospace Engineering",
        "Mechanical Engineering",
        "Robotics",
        "Nanotechnology"
      ]
    }
  }
},
"Ground Duty (Non-Technical)": {
  "Branches": [
    "Weapon Systems",
    "Administration",
    "Accounts",
    "Logistics",
    "Meteorology"
  ],
  "Gender": "Male & Female",
  "Type Of Commission": "Short Service Commission (SSC) For Men & Women",
  "Age": "20 to 26 years as on date of commencement of training",
  "Advertisement Schedule": "June and December",
  "Advertisement Released By": "Indian Air Force/DISHA Cell",
  "Training Scheduled At": "Air Force Academy",
  "Marital Status Of The Candidate": "Unmarried",
  "Educational Qualifications": {
    "WEAPON SYSTEMS (WS) BRANCH": {
      "10+2": {
        "Maths & Physics": "Minimum of 50% marks each"
      }
    }
  }
}

```

```

},
"Graduation": {
  "Minimum": "60% marks or equivalent",
  "Courses": [
    "Any discipline",
    "BE/B Tech (Four years course)"
  ]
}
},
"ADMINISTRATION AND LOGISTICS BRANCHES": {
  "10+2": true,
  "Graduation": {
    "Minimum": "60% marks or equivalent",
    "Courses": [
      "Any discipline",
      "Section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India"
    ]
  }
}
},
"ACCOUNTS BRANCH": {
  "10+2": true,
  "Graduation": {
    "Minimum": "60% marks or equivalent",
    "Courses": [
      "B.Com",
      "Bachelor of Business Administration with Finance",
      "Qualified CA/CMA/CS/CFA",
      "B.Sc. with Finance"
    ]
  }
}
},
"METEOROLOGY BRANCH": {
  "10+2": true,
  "Graduation": {
    "Minimum": "60% marks or equivalent",
    "Courses": [
      "B.Sc with Physics and Mathematics",
      "Four year Graduation in Engineering/Technology"
    ]
  }
}

```

```
    ]  
  }  
}  
}  
}  
}  
},
```

```
"Combined Defence Service Examination (CDSE) Entry": {  
  "Branch": "Flying",  
  "Gender": "Male",  
  "Type Of Commission": "Permanent Commission (PC)",  
  "Age": "20 to 24 years as on date of commencement of training",  
  "Additional Age Relaxation": "2 years for Commercial Pilot Licence holders",  
  "Advertisement Schedule": "Refer https://www.upsc.gov.in (tentatively during May & Dec)",  
  "Advertisement Released By": "Union Public Service Commission",  
  "Training Scheduled At": "Air Force Academy",  
  "Marital Status Of The Candidate": "Unmarried",  
  "Educational Qualifications": {  
    "10+2": {  
      "Maths & Physics": true  
    },  
    "Graduation": {  
      "Any Graduate/BE/B Tech degree holder": true,  
      "Students appearing for final year/semester can also apply": true  
    }  
  }  
},
```

```
"National Cadet Corps (NCC) Special Entry": {  
  "Branch": "Flying",  
  "Gender": "Male & Female",  
  "Type Of Commission": {  
    "Men": "Permanent Commission",  
    "Women": "Short Service Commission"  
  },  
  "Age": "20 to 24 years as on date of commencement of training",  
  "Additional Age Relaxation": "2 years for Commercial Pilot Licence holders",  
  "Advertisement Schedule": "June & December",  
  "Advertisement Released By": "Indian Air Force/DISHA Cell",
```

```

"Training Scheduled At": "Air Force Academy",
"Marital Status Of The Candidate": "Unmarried",
"Educational Qualifications": {
  "10+2": {
    "Maths & Physics": "Minimum of 50% marks each"
  },
  "Graduation": {
    "Minimum": "60% marks or equivalent",
    "Courses": [
      "Any discipline",
      "BE/B Tech (four years course)",
      "Section A & B examination of Associate Membership of Institution of Engineers (India) or Aeronautical Society of India"
    ]
  }
},
"Other Pre-Requisites": {
  "NCC 'Air' Wing 'C' Certificate": true
}
},
"Post-Graduate": {
  "Education Branch": {
    "Gender": "Male & Female",
    "Type Of Commission": "Short Service Commission (SSC) For Men & Women",
    "Age": "20 to 26 years as on date of commencement of training",
    "Advertisement Schedule": "June & December (www.afcat.cdac.in)",
    "Advertisement Released By": "Indian Air Force/DISHA Cell",
    "Training Scheduled At": "Air Force Academy",
    "Marital Status Of The Candidate": "Unmarried",
    "Educational Qualifications": {
      "10+2": true,
      "Post-Graduation": {
        "Minimum": "50% marks",
        "Graduation": {
          "Minimum": "60% marks",
          "Disciplines": [
            "Any discipline",
            "Integrated courses offering PG"
          ]
        }
      }
    }
  }
}

```



```

    ]
  }
}
}
}
},
{
  "LifeInIAF": {
    "Overview": {
      "Description": "As an air warrior in the Indian Air Force, you're tasked with upholding the constitution and protecting India's freedom. The responsibility is enormous, but it's not only about work, it's also about living well. Quality of life is an important attribute of Air Force life and has no parallel in the civil sector. The life offers you challenge, adventure, excitement, honour, prestige, self-respect, content family life, safety and security for self and family, and not to forget the social status, respect, and esteem of your countrymen."
    },
    "QualityOfLife": {
      "Description": "Quality of life is an important aspect in everyone's life and becomes a key parameter while choosing a career. Beyond the sound pay package, one looks for a healthy and fit lifestyle, an enjoyable social life, and status. The IAF provides a variety of facilities, including recreation, sports, medical, education, and institutes. The lifestyle promotes healthy well-being, quality time with family, social bonding, and lifetime relations."
    },
    "CoreValues": {
      "Loyalty": "Bear true faith and allegiance, support the leadership and fellow warriors.",
      "Duty": "Accomplish assigned tasks, missions, and responsibilities. Fulfil your obligations.",
      "Respect": "Treat others with dignity and respect while expecting others to do the same. Trust and appreciate.",
      "SelflessService": "Put the welfare of the nation and others before self. Commit to go a little further, endure a little more, and look a little closer.",
      "Honour": "Carry out, act, and live the values of respect, duty, loyalty, selfless service, integrity, and personal courage in everything you do.",
      "Integrity": "Adhere to moral principles. Do what's right legally and morally.",
      "PersonalCourage": "Face fear, danger, or adversity (physical or moral). Build courage by standing up for and acting upon the things that are honourable."
    },
    "SocialStatus": {
      "Description": "An air warrior enjoys a unique esteemed status in society. Joining the Air Force makes one a member of an exclusive and elite brotherhood, with a special social niche."
    },
    "PayAndBenefits": {
      "RanksAndPay": [
        {
          "Rank": "Flying Officer",
          "Level": 10,

```

```
"PayBand": "56100-177500",  
  
"MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Flight Lieutenant",  
  
  "Level": 10B,  
  
  "PayBand": "61300-193900",  
  
  "MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Squadron Leader",  
  
  "Level": 11,  
  
  "PayBand": "69400-207200",  
  
  "MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Wing Commander",  
  
  "Level": 12A,  
  
  "PayBand": "121200-212400",  
  
  "MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Group Captain",  
  
  "Level": 13,  
  
  "PayBand": "130600-215900",  
  
  "MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Air Commodore",  
  
  "Level": 13A,  
  
  "PayBand": "139600-217600",  
  
  "MSP": "15500"  
  
},  
  
{  
  
  "Rank": "Air Vice Marshal",  
  
  "Level": 14,  
  
  "PayBand": "144200-218200",  
  
  "MSP": "NIL"
```

```

    },
    {
      "Rank": "Air Vice Marshal HAG Scale",
      "Level": 15,
      "PayBand": "182200-224100",
      "MSP": "NIL"
    },
    {
      "Rank": "HAG+Scale",
      "Level": 16,
      "PayBand": "205400-224400",
      "MSP": "NIL"
    },
    {
      "Rank": "VCAS/AOC-IN-C/Air Marshal",
      "Level": 17,
      "PayBand": "225000",
      "MSP": "NIL"
    },
    {
      "Rank": "CAS",
      "Level": 18,
      "PayBand": "225000",
      "MSP": "NIL"
    }
  ],
  "Allowances": [
    {
      "Description": "During the last one year of training, a stipend of Rs. 56,100/- is provided.",
      "PayBand": "56100 Per Month",
      "MilitaryServicePay": "15500 per Month",
      "DearnessAllowance": "As per prevailing rates",
      "OtherAllowances": [
        "Transport allowance",
        "Children Education Allowance",
        "HRA",
        "Flying Allowance (Flying Branch Officers)",
        "Technical Allowance (Technical Branch Officers)",

```

"Field Area, Special Compensatory, Hill Area, Special Force, Siachen, Island special duty, Test pilot and flight test engineer, Area and Remote locality allowance"

]

}

],

"Benefits": [

"Insurance under Air Force Group Insurance Scheme (AFGIS) - Rs 1.10 Crore, additional Rs 15 lakhs for Pilots.",

"Loans - House Building Loan, Computer Loan, Conveyance Loan, Modern House appliances loan.",

"Medical - Free access to medical rooms and hospitals, tie-ups with Civil Hospitals for specialized cases, grants for medical equipment.",

"Furnished Accommodation",

"Leave - Annual leave of 60 days, casual leave of 20 days per year",

"Leave Travel Concessions",

"Institute and Messes membership",

"School facilities",

"Rail concessions",

"Secured camp life",

"CSD facilities",

"Recreational and sports facilities",

"Scholarships and welfare schemes from AFWWA (Air Force Wives Welfare Association)"

],

"EducationalOpportunities": [

"In-service courses and other educational avenues.",

"M. Tech. sponsorship in institutes like IIT and BHU-IT.",

"Tie-ups with Universities like IGNOU for long-distance learning.",

"Study Leave - Up to 24 months, extendible up to 28 months."

]

}

}

},

{

"Growth": {

"Overview": "As an officer in the Indian Air Force, you start your career as a Flying Officer and have the opportunity to rise to the rank of Air Marshal. The pinnacle is the rank of Chief of Air Staff, who is the head of the Air Force family.",

"JuniorLevelOfficers": {

"FlyingOfficer": {

"Rank": "Flying Officer",

"Description": "This is the first rank an officer wears after successful completion of training.",

"PromotionCriteria": "Available after completing a stipulated number of years of service, associated promotion courses/exams, and good performance."

},

"FlightLieutenant": {

"Rank": "Flight Lieutenant",

"Description": "The next rank where you play an important role as a member of a cohesive team.",

"PromotionCriteria": "Available after completing a stipulated number of years of service, associated promotion courses/exams, and good performance."

},

"SquadronLeader": {

"Rank": "Squadron Leader",

"Description": "A senior level supervisor who undertakes bigger responsibilities.",

"PromotionCriteria": "Available after completing a stipulated number of years of service, associated promotion courses/exams, and good performance."

},

"WingCommander": {

"Rank": "Wing Commander",

"Description": "Takes on additional responsibilities and prepares for higher ranks.",

"PromotionCriteria": "Available after completing a stipulated number of years of service, associated promotion courses/exams, and good performance."

}

},

"SeniorLevelOfficers": {

"GroupCaptain": {

"Rank": "Group Captain",

"Description": "A Director level officer who may command a medium-sized Air Force Station or be an important link in decision making.",

"Responsibilities": "Men and management, decision making at various IAF formations."

},

"AirCommodore": {

"Rank": "Air Commodore",

"Description": "A Principal Director who may command a large Air Force Station or hold senior level staff appointments.",

"Responsibilities": "Command of large Air Force Stations or senior level staff appointments at Air HQ/Command HQ."

},

"AirViceMarshal": {

"Rank": "Air Vice Marshal",

"Description": "Responsible for taking strategic decisions.",

"Responsibilities": "Strategic decisions within the Air Force."

},

"AirMarshal": {

```

    "Rank": "Air Marshal",

    "Description": "Commands significant power, with promotions based on selectivity.",

    "Responsibilities": "High-level command and strategic oversight."

},

"ChiefOfTheAirStaff": {

    "Rank": "Air Chief Marshal",

    "Description": "The top rank for the best from the flying branch, responsible for all strategic and tactical decisions.",

    "Responsibilities": "Head of the Air Force, strategic and tactical decision making in times of peace and war."

}

},

"Adventure": {

    "Overview": "The IAF fosters a spirit of adventure through various activities. Adventure is a key component of military training, developing determination, courage, and leadership. The IAF promotes adventure activities in aero, aqua, and terrestrial sports.",

    "AeroSports": [

        "Skydiving",

        "Parasailing",

        "Paragliding",

        "Power hand gliding",

        "Para Motor Flying",

        "Microlight flying",

        "Hot Air ballooning",

        "Aero Modelling"

    ],

    "TerrestrialSports": [

        "Mountaineering",

        "Trekking",

        "Skiing",

        "Car Rally",

        "Motorcycle expeditions",

        "Cycling Expeditions",

        "Mountain Terrain Biking"

    ],

    "WaterSports": [

        "Rafting",

        "Sailing",

        "Wind Surfing",

        "Water Skiing",

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```
"Scuba Diving"
]
}
},
{
  "RegimentOfArtillery": {
    "Overview": {
      "Active": "1827–present",
      "Country": "India",
      "Allegiance": "Republic of India",
      "Branch": "Indian Army",
      "Type": "Artillery",
      "Motto": "Sarvatra Izzat-o-Iqbal (Everywhere with Honour and Glory)",
      "RegimentalColors": ["Red", "Navy Blue"],
      "Anniversaries": "28 September (Gunners' Day)"
    },
    "Decorations": {
      "VictoriaCross": 1,
      "AshokaChakra": 1,
      "MahaVirChakra": 7,
      "KirtiChakra": 8,
      "VirChakra": 92,
      "YudhSevaMedal": 3,
      "ShauryaChakra": 56,
      "SenaMedalGallantry": 441
    },
    "Insignia": {
      "TacticalRecognitionFlash": "Image of 27 feet Cannon at Narnala fort"
    },
    "History": {
      "EarlyHistory": {
        "MughalEmpire": "Babur introduced artillery to India in the Battle of Panipat in 1526.",
        "Portuguese": "Introduced man-o-war ships armed with cannons and naval gun pieces.",
        "Mughals": "Expanded and improved artillery, used it to successfully expand their empire.",
        "Marathas": "Organized artillery under Balaji Baji Rao, with efficient gun manufacturing by Madhavji Sindhia.",
        "TipuSultan": "Notable for using guns, mortars, rockets, and howitzers effectively.",
        "NizamOfHyderabad": "Manufactured guns with the help of French officers.",
        "Sikhs": "Pioneered development of horse-artillery under Maharaja Ranjit Singh."
      }
    }
  }
}
```

```

    },
    "EastIndiaCompany": {
      "EarlyUse": "English initially used guns from their fleet; gunners called Topasses.",
      "Formation": "Regular companies of artillery formed in 1668 in Bombay, followed by Bengal, Madras, and Bombay presidencies.",
      "IndianRecruits": "Initially excluded natives; later allowed small percentage of Indian recruits as support staff (Golandaz, Gun Lashkars, Tindals, Serangs).",
      "MountainArtillery": "Indian mountain artillery batteries raised in the 19th century as part of the Royal Artillery."
    },
    "RoyalIndianArtillery": {
      "Formation": "Raised on 28 September 1827 as part of the Bombay Army, later renamed as 5 Bombay Mountain Battery.",
      "IndianRebellion1857": "Involved in the mutiny; subsequent disbanding of most Indian artillery units.",
      "Exceptions": "Retained some mountain and field batteries from the Punjab Frontier Force and Hyderabad Contingent.",
      "Action": "Extensive service in North West Frontier and Afghan wars."
    }
  },
  {
    "CrownService": {
      "MountainArtillery": {
        "EarlyGuns": [
          {
            "Type": "3 Pounder SBML",
            "Description": "Smooth Bore Muzzle Loading gun used in the 1850s."
          },
          {
            "Type": "4 2/5 Inch SBML Howitzer",
            "Description": "Smooth Bore Muzzle Loading howitzer used in the 1850s."
          }
        ],
        "GunsEvolution": [
          {
            "Type": "7 Pounder RML",
            "Year": 1865,
            "Description": "Rifled Muzzle Loading gun replacing earlier models."
          },
          {
            "Type": "RML 2.5-inch Mountain Gun",

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```
"Year": 1879,

"Nickname": "Kipling's Screw Gun",

"Description": "Improved mountain gun with barrels that split for transport."

},

{

  "Type": "10 Pounder BL",

  "Year": "World War I",

  "Description": "Breech Loading gun used during the Great War."

},

{

  "Type": "QF 3.7-inch Mountain Howitzer",

  "Year": "Late World War I",

  "Description": "Superior mountain howitzer introduced during the last year of the Great War."

}

],

"Deployment": {

  "IndianMountainBatteries": {

    "Gunnery": "Punjabis, half Muhammadan and half Hindu, primarily Sikhs.",

    "ServiceLocations": [

      "North-East India",

      "Burma",

      "Afghanistan",

      "Tibet",

      "Middle East",

      "Africa",

      "Mesopotamia",

      "Gallipoli",

      "Palestine",

      "North-West Frontier"

    ]

  },

  "Awards": {

    "OrderOfBritishIndia": 12,

    "IndianOrderOfMerit": 22,

    "IndianDistinguishedServiceMedals": 150,

    "IndianMeritoriousServiceMedals": 232,

    "MédailleMilitaire": 2,

    "RomanianAwards": 3,

    "SerbianGoldMedals": 5,
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"CrossOfStGeorge4thClass": 4,

"CrossOfStGeorge3rdClass": 1

}

}

},

"IndianisationOfArtillery": {

  "FieldArtillery": {

    "Formation": {

      "Date": "15 January 1935",

      "Details": [

        "Formation of 'A' Field Brigade",

        "Batteries: 1st Madrasis, 2nd Punjabi Mussalmans, 3rd Rajputana Rajputs, 4th Ranghars."

      ]

    },

    "Training": "Indian Artillery Training Battery established at Mathura in 1936."

  },

  "MediumArtillery": {

    "Formation": {

      "Date": "15 August 1944",

      "Details": [

        "Formation of 201 (Independent) Medium Battery",

        "Conversion of 8 Indian Field Regiment to 40 Field Regiment."

      ]

    }

  },

  "AirObservationPost": {

    "Formation": {

      "Date": "15 August 1947",

      "Details": [

        "1 Air OP Flight (RIAF) raised.",

        "Previously 656 Air OP Squadron RAF introduced on 14 November 1943."

      ]

    }

  },

  "SecondWorldWar": {

    "ActionLocations": {
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"Italy": ["4 Maratha Anti Tank Regiment"],

"EastAfrica": ["22 Mountain Battery", "1 (Jammu and Kashmir) Mountain Battery"],

"Syria": ["1 (Jammu and Kashmir) Mountain Battery"],

"Aden": ["27 and 18 Indian Mountain Batteries"],

"Iraq": ["1 Indian Anti-tank Regiment", "4 Maratha Anti Tank Regiment"],

"NorthAfrica": ["2 Indian Field Regiment"],

"Malaya": ["22 Mountain Regiment"],

"Burma": [

    "1 Indian Field Regiment",

    "2 Indian Field Regiment",

    "4 Indian Field Regiment",

    "5 Indian Field Regiment",

    "7 Indian Field Regiment",

    "20 Indian Mountain Regiment",

    "21 Indian Mountain Regiment",

    "23 Mountain Regiment",

    "24 Mountain Regiment",

    "25 Indian Mountain Regiment",

    "30 Indian Mountain Regiment",

    "33 Mountain Regiment",

    "1 Indian Anti-tank Regiment",

    "5 (Maratha) Anti-tank Regiment",

    "7 Indian Anti-tank Regiment",

    "8 (Maratha) Anti-tank Regiment",

    "1 Indian Survey Regiment",

    "1 Light Anti-aircraft Regiment",

    "2 Light Anti-aircraft Regiment",

    "5 Indian Heavy Anti-aircraft Regiment"

]

},

"Awards": {

    "VictoriaCross": 1,

    "GeorgeMedal": 1,

    "MilitaryCrosses": 15,

    "IndianOrderOfMerit": 2,

    "IndianDistinguishedServiceMedals": 22,

    "MilitaryMedals": 18,

    "OBEs": 5,

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"MBE": 1,

"BEMs": 3,

"BurmaGallantryMedals": 13,

"Jangilnams": 467
},

"Title": {

"Original": "Indian Regiment of Artillery",

"ChangedTo": "The Regiment of Indian Artillery",

"RoyalTitle": {

"Date": "October 1945",

"Dropped": "26 January 1950"

}

}

},

"PostIndependence": {

"CurrentStructure": {

"Branches": [

"Field",

"Medium",

"Air Defence",

"Counter Bombardment",

"Coastal",

"Air Observation Post",

"Survey"

],

"PostPartition": {

"India": "Eighteen and a half regiments",

"Pakistan": "Nine and a half units"

}

},

"NotableConflicts": [

"Indo-Pakistani War of 1947–1948",

"Sino-Indian War of 1962",

"Indo-Pakistani War of 1965",

"Indo-Pakistani War of 1971",

"Kargil War"

],

"Restructuring": {

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    "Post1962": "Restructuring and induction of new equipment.",
    "CoastalArtillery": "Handed over to Indian Navy in 1964.",
    "Bifurcation": [
        "Air Observation Post to Army Aviation Corps in 1986",
        "Air Defence to Corps of Army Air Defence in 1994"
    ]
}

},
{
    "SSBInterviewSelectionProcedures": {
        "Stages": [
            {
                "Stage": "STAGE-I Testing",
                "Description": "Preliminary stage for filtering out potential candidates.",
                "Tests": [
                    {
                        "Name": "Screening",
                        "Description": "Preliminary filtering of candidates.",
                        "Tests": [
                            {
                                "Name": "Verbal and Non-Verbal Test",
                                "Description": "Assessment of verbal and non-verbal abilities."
                            },
                            {
                                "Name": "Picture Perception and Discussion Test (PPDT)",
                                "Description": "Test of picture interpretation and group discussion."
                            }
                        ]
                    }
                ]
            }
        ],
        "Stage": "STAGE-II Testing",
        "Description": "Detailed assessment of candidates who have cleared Stage I.",
        "SubStages": [
            {

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"Name": "Psychology (Mansa)",
"Description": "Psychological testing to assess suitability as an officer.",
"Tests": [
  {
    "Name": "Thematic Apperception Test (TAT)",
    "Description": "Assessment of thematic interpretation."
  },
  {
    "Name": "Word Association Test (WAT)",
    "Description": "Assessment of associations with words."
  },
  {
    "Name": "Situation Reaction Test (SRT)",
    "Description": "Assessment of reactions to various situations."
  },
  {
    "Name": "Self Description Test (SD)",
    "Description": "Assessment of self-perception and self-analysis."
  }
]
},
{
  "Name": "GTO (VAACHA)",
  "Description": "Outdoor tasks conducted by the Group Testing Officer (GTO).",
  "Tasks": [
    {
      "Name": "Group Discussion (GD)",
      "Description": "Discussion on a given topic."
    },
    {
      "Name": "GPE or MPE (Group/Military Planning Exercise)",
      "Description": "Planning exercise for group or military scenarios."
    },
    {
      "Name": "Progressive Group Task (PGT)",
      "Description": "Progressive tasks requiring group effort."
    },
    {
```

```

    "Name": "Snake Race/Group Obstacle Race",
    "Description": "Team race involving obstacles."
  },
  {
    "Name": "Individual Lecturette (IO)",
    "Description": "Individual presentation on a given topic."
  },
  {
    "Name": "Half Group Task (HGT)",
    "Description": "Task performed by half of the group."
  },
  {
    "Name": "Individual Obstacles",
    "Description": "Obstacles tackled individually."
  },
  {
    "Name": "Command Task",
    "Description": "Task requiring command and leadership."
  },
  {
    "Name": "Final Group Task (FGT)",
    "Description": "Final task for group assessment."
  }
]
},
{
  "Name": "Personal Interview (Karmana)",
  "Description": "One-on-one interview to assess Officer Like Qualities (OLQs).",
  "Duration": "50 to 60 minutes",
  "Purpose": "To evaluate the candidate's suitability as an officer."
},
{
  "Name": "Conference",
  "Description": "Final stage where assessors decide on the candidates' recommendations.",
  "Participants": [
    "Interviewing Officer (IO)",
    "Psychologist",
    "Group Testing Officer (GTO)"
  ]
}

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```

    ],
    "Process": [
      {
        "Name": "Assessment Meeting",
        "Description": "Assessors meet to discuss candidate performance."
      },
      {
        "Name": "Candidate Interaction",
        "Description": "Candidates answer questions about their performance and experience."
      },
      {
        "Name": "Results Announcement",
        "Description": "Names of recommended candidates are announced."
      }
    ]
  }
}

"CenturionDefenceAcademy": {
  "Description": "Top SSB coaching center in Lucknow, India.",
  "Focus": "Personalized attention with limited batch sizes.",
  "Reputation": "No. 1 Defence Coaching Institute in North India.",
  "Achievements": "Produced over 5000 class one officers in the Indian Army."
}

},
{
  "NDA2023Exam": {
    "ExamPattern": {
      "WrittenTest": {
        "Mathematics": {
          "Duration": "2 hours 30 minutes",
          "NoOfQuestions": 120,
          "MaximumMarks": 300
        },
        "GeneralAbilityTest": {
          "Duration": "2 hours 30 minutes",

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"NoOfQuestions": 50,

"MaximumMarks": 200

},

"SSBInterview": {

  "Duration": "50",

  "MaximumMarks": 900

},

"TotalMarks": 1800

},

"Booklist": {

  "Mathematics": [

    "NCERT Mathematics Textbook of Class 11 and Class 12",

    "Mathematics for NDA and NA",

    "NDA Entrance Exam Study Package Mathematics NDA/NA Entrance Exam",

    "Quantitative Aptitude for Competitive Examinations"

  ],

  "English": [

    "Objective General English",

    "Wren & Martin's High School English Grammar & Composition",

    "Word Power Made Easy"

  ],

  "Physics": [

    "NCERT 11th and 12th std Books"

  ],

  "Chemistry": [

    "NCERT 11th and 12th std Books"

  ],

  "GeneralScience": [

    "Objective GK"

  ],

  "History": [

    "Objective GK",

    "NCERT Books"

  ],

  "Geography": [

    "Objective GK",

    "NCERT Books"
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    },
    "CurrentAffairs": [
        "Pratoyogita Darpan",
        "Competition Success Review"
    ]
},

"PreparationTips": "With proper plans and strategies, it is not as difficult to outshine the competition in the NDA/NA exam. Candidates can go through preparation strategies for competitive exams to do diligent preparation for the examination.",

"FAQ": [
    {
        "Question": "Which are the best books for NDA English?",
        "Answer": "Candidates can refer to Word Power Made Easy by Norman Lewis and High School Grammar and Composition by Wren and Martin for the English section of NDA."
    },
    {
        "Question": "Are NCERT books enough for NDA?",
        "Answer": "The NDA exam consists of questions that are of Class 12 standard or below. If one follows the NCERT books thoroughly and grasps all the concepts mentioned in the books, one will not need any other reference book to pass the exam."
    },
    {
        "Question": "Which is the best book for UPSC NDA General Ability Test subject?",
        "Answer": "There are lots of good books in the market, but General Knowledge 2021, History of Modern India and Science and Technology in India are some of the best books for NDA Preparations."
    },
    {
        "Question": "How many mock tests should I attempt for NDA preparation?",
        "Answer": "To prepare for the NDA, you should take one or two mock examinations per subject each day."
    },
    {
        "Question": "What are the top NDA Current Affairs books?",
        "Answer": "In order to prepare for the NDA exam, candidates can use the Manorama Yearbook or the Pratiyogta Darpan."
    }
]
}

},
{
    "CDSEExam": {
        "Syllabus": {
            "Subjects": [

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"English",  
"General Knowledge",  
"Elementary Mathematics"  
]
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},
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"Booklist": {
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```
  "English": {
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    "Books": [
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```
      {
```

```
        "Title": "High School English Grammar & Composition",
```

```
        "Author": "Wren and Martin"
```

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      },
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      {
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```
        "Title": "Word Power Made Easy",
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        "Author": "Norman Lewis"
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      },
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      {
```

```
        "Title": "Objective General English",
```

```
        "Author": "SP Bakshi"
```

```
      }  
    ],
```

"Notes": "Books like Objective General English are excellent for beginners and have detailed explanations of previous year's question papers and their answers. Word Power Made Easy has many antonyms, synonyms, and One Word Substitutions that can enhance the candidate's vocabulary."

```
  },
```

```
"GeneralKnowledge": {
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```
  "Books": [
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    {
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```
      "Title": "General Awareness",
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```
      "Author": "Manohar Panday",
```

```
      "Publisher": "Arihant Publications"
```

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    },
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```
    {
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```
      "Title": "Manorama Yearbook",
```

```
      "Author": "Philip Mathew"
```

```
    },
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```
    {
```

```
      "Title": "Pratiyogita Darpan",
```

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    "Author": "Pratiyogita Darpan Editorial Team"

},

{

    "Title": "Newspapers",

    "Sources": ["Hindu", "The Indian Express", "The Economic Times"]

}

],

    "Notes": "Reading newspapers is the best way to stay updated with the latest in current affairs. The General Awareness books cover detailed information related to Indian History, Indian Polity, Geography, Indian Economy, etc."

},

"ElementaryMathematics": {

    "Books": [

        {

            "Title": "Mathematics for CDS",

            "Author": "R.S. Aggarwal"

        },

        {

            "Title": "Quantitative Aptitude for Competitive Examinations",

            "Author": "R.S. Aggarwal"

        },

        {

            "Title": "Pathfinder for CDS",

            "Author": "Arihant Publications"

        }

    ],

    "Notes": "Books by R.S. Aggarwal are good for beginners as they include details about topics commonly faced in the exam. Pathfinder for CDS is recommended for its detailed syllabus and important topics."

}

},

"FAQ": [

    {

        "Question": "Which CDS book is best?",

        "Answer": "Determining the best CDS book is subjective, but some highly recommended books include the Manorama Yearbook and General Knowledge by Manohar Pandey."

    },

    {

        "Question": "Which books are best for CDS OTA?",

        "Answer": "Recommended books for CDS OTA include: Objective General English by S. P. Bakshi, Wren & Martin's High School English Grammar & Composition, Word Power Made Easy by Norman Lewis, Geography, History, Economy (NCERT Std 6th-12th), General Knowledge (Lucent book and Newspapers)."
    }
]

```

```

    },
    {
      "Question": "How can I study for CDS?",

      "Answer": "Candidates should start studying at least 3 to 6 months before the examination. Create a timetable and dedicate 6 – 8 hours daily for preparation. Take short breaks and boost your confidence by staying updated with current affairs."

    },
    {
      "Question": "What is the syllabus of the Combined Defence Services Exam?",

      "Answer": "The General Knowledge section of the CDS Exam covers History, Geography, Science, Polity, Economics, and Current Affairs. It includes a total of 120 questions with negative marking for incorrect answers. Magazines and newspapers are primary sources for this section."

    }
  ]
}
},
{
  "CDS2024": {
    "Overview": {
      "Subjects": [
        "English",
        "General Knowledge",
        "Elementary Mathematics"
      ]
    },
    "Books": {
      "English": {
        "Books": [
          {
            "Title": "High School English Grammar & Composition",
            "Author": "Wren and Martin",
            "Description": "Comprehensive guide covering English grammar and composition with clear concepts and extensive exercises."
          },
          {
            "Title": "Word Power Made Easy",
            "Author": "Norman Lewis",
            "Description": "Excellent resource for enhancing vocabulary, covering antonyms, synonyms, and one-word substitutions."
          }
        ]
      },
      "Title": "Objective General English",

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```

    "Author": "SP Bakshi",

    "Description": "Beneficial for beginners with in-depth explanations of questions and answers from previous years' test papers."
  }
]
},

"GeneralKnowledge": {
  "Books": [
    {
      "Title": "General Awareness",
      "Author": "Manohar Panday",
      "Publisher": "Arihant Publications",
      "Description": "Detailed information on Indian History, Polity, Geography, Economy, and more."
    },
    {
      "Title": "Manorama Yearbook",
      "Author": "Philip Mathew",
      "Description": "Recommended for preparing General Awareness, offering comprehensive coverage of important topics."
    },
    {
      "Title": "Pratiyogita Darpan",
      "Author": "Pratiyogita Darpan Editorial Team",
      "Description": "Covers complete news along with CDS Practice Sets and previous year's papers."
    },
    {
      "Title": "Newspapers",
      "Sources": ["Hindu", "The Indian Express", "The Economic Times"],
      "Description": "Regular reading essential for staying updated on relevant topics for the exam."
    }
  ]
},

"ElementaryMathematics": {
  "Books": [
    {
      "Title": "Mathematics for CDS",
      "Author": "R.S. Aggarwal",
      "Description": "Covers topics frequently asked in the examination with detailed explanations and practice sets."
    },
    {

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```

    "Title": "Quantitative Aptitude for Competitive Examinations",
    "Author": "R.S. Aggarwal",
    "Description": "Provides a variety of solved examples and practice sets to clear various math topics from basics."
  },
  {
    "Title": "Pathfinder for CDS",
    "Author": "Arihant Publications",
    "Description": "Covers the entire syllabus of mathematics and other crucial subjects for CDS."
  }
]
}
},
"ChoosingBestBooks": {
  "Factors": [
    {
      "Factor": "Alignment with Syllabus",
      "Description": "Ensure the book fully addresses the UPSC CDS syllabus."
    },
    {
      "Factor": "Author/Publisher Reputation",
      "Description": "Choose books from respected writers or publishers for reliable sources."
    },
    {
      "Factor": "Updated Editions",
      "Description": "Check for updated editions to align with the most recent exam curriculum and structure."
    },
    {
      "Factor": "Simplicity and Clarity",
      "Description": "Choose books with simple, understandable language."
    },
    {
      "Factor": "Practice Questions and Mock Exams",
      "Description": "Ensure the book provides enough practice questions and mock exams."
    },
    {
      "Factor": "Conceptual Foundation",
      "Description": "Focus on books that build a strong conceptual foundation."
    }
  ]
}

```

```

{
  "Factor": "Study Aids",
  "Description": "Examine the study aids in the book to see if they aid comprehension."
},
{
  "Factor": "Reviews and Referrals",
  "Description": "Check reviews and ask successful candidates for referrals."
},
{
  "Factor": "Time Management Techniques",
  "Description": "Look for books that offer advice on time management."
}
]
}
},

{
  "NDAExamPreparation": {
    "Tips": [
      {
        "Tip": "Plan your syllabus",
        "Description": "Plan your syllabus accordingly, study easier topics first, and then cover tougher ones. Allocate time daily for revision."
      },
      {
        "Tip": "Focus on concepts, no rote learning",
        "Description": "Understand concepts deeply rather than rote learning. This approach ensures long-term retention."
      },
      {
        "Tip": "Keep distractions away",
        "Description": "Avoid potential distractions like mobile phones, games, and extra-curricular activities. Limit phone use to breaks."
      },
      {
        "Tip": "Read and grasp thoroughly",
        "Description": "Thoroughly read chapters, highlight important points, and avoid rote learning."
      },
      {
        "Tip": "Smart work",

```



```

    "Description": "Use acronyms for memorization and focus more on Maths and General Awareness if English is not a weak point."
  },
  {
    "Tip": "Become a teacher",
    "Description": "Teach the topic to imaginary students to ensure you've understood it well."
  },
  {
    "Tip": "Do not study when stressed or sleepy",
    "Description": "Avoid studying when tired or stressed. Get some rest to ensure effective learning."
  },
  {
    "Tip": "Have a shorter study period",
    "Description": "Study in short bursts with breaks in between to avoid fatigue and frustration."
  },
  {
    "Tip": "Eat healthily",
    "Description": "Maintain a healthy diet. Avoid study snacks as they can be distracting and reward yourself with snacks after completing chapters."
  },
  {
    "Tip": "Stay physically fit",
    "Description": "Incorporate regular exercise (30-45 minutes daily) to keep your mind fresh and alert."
  },
  {
    "Tip": "Get enough sleep",
    "Description": "Ensure you get adequate sleep to maintain concentration and avoid studying late into the night."
  }
],
"Conclusion": "Consistent effort, dedication, and a systematic approach are crucial. Stay disciplined, follow your study plan, and give your best in both the written exam and the interview."
}
},
{
  "CDSEExamPreparation": {
    "Tips": [
      {
        "Tip": "Understand the Exam Pattern",
        "Description": "Familiarize yourself with the exam pattern, including the number of papers, subjects covered, marking scheme, and duration of the exam."
      }
    ]
  }
}

```

},

{

"Tip": "Syllabus Understanding",

"Description": "Go through the detailed syllabus for each subject thoroughly. Understand the topics covered in each subject and prioritize your preparation accordingly."

},

{

"Tip": "Create a Study Plan",

"Description": "Develop a study plan that allocates sufficient time for each subject based on your strengths and weaknesses. Include regular revisions and practice sessions."

},

{

"Tip": "Study Material",

"Description": "Use standard study material and books recommended for CDS exam preparation. Utilize online resources, previous year question papers, and mock tests."

},

{

"Tip": "Current Affairs",

"Description": "Stay updated with current affairs, especially related to defense, national and international events, politics, and economics. Read newspapers, magazines, and online portals regularly."

},

{

"Tip": "Practice Regularly",

"Description": "Solve previous year question papers and take mock tests to improve your speed and accuracy."

},

{

"Tip": "Improve General Knowledge",

"Description": "Enhance general knowledge by reading books, watching documentaries, and following reputable news sources. Focus on defense-related topics and historical events."

},

{

"Tip": "Time Management",

"Description": "Develop good time management skills. Allocate specific time slots for each section and practice solving questions within the stipulated time."

},

{

"Tip": "Physical Fitness",

"Description": "For IMA or OTA candidates, physical fitness is crucial. Maintain a healthy lifestyle and exercise regularly to ensure physical fitness for the SSB interview."

},

{

```

    "Tip": "Join Coaching Institutes",

    "Description": "Consider joining a reputable coaching institute specializing in CDS exam preparation for expert guidance, study material, and regular practice tests."

  },

  {

    "Tip": "Stay Motivated",

    "Description": "Stay positive and motivated. Set realistic goals, track your progress, and stay focused on your end objective."

  },

  {

    "Tip": "Revision",

    "Description": "Regular revision is essential. Make concise notes of important topics for quick revision before the exam."

  }

],

"Conclusion": "Cracking the CDS exam requires consistent effort and dedication. Stay focused, maintain a positive attitude, and believe in your abilities. Good luck with your exam preparation!"

}

},

{

  "ScreeningTests": {

    "IntelligenceTestsVerbal": {

      "Introduction": "Normally, SSBs call around 300 candidates per batch, with around 1/3 reporting for testing. Stage 1 testing includes Intelligence Tests (Verbal and Non-Verbal) and Picture Perception and Discussion Test (PP&DT). Performance in these tests determines the Intelligence Rating and eligibility for Stage 2 testing.",

      "Content": [

        "Spelling",

        "Grammar",

        "Sentence Completion",

        "Analogies",

        "Word Groups",

        "Instruction",

        "Critical Reasoning",

        "Verbal Deductions"

      ],

      "TestDetails": "Tests usually involve grammar, verbal analogies, synonyms, antonyms, etc. The number of questions varies from 30 to 60, with time allowed depending on difficulty."

    },

    "IntelligenceTestsNonVerbal": {

      "Introduction": "Non-verbal Intelligence Test involves patterns and figures. Candidates identify relations and choose the correct alternative.",

      "TestDetails": "The test contains 30 to 60 questions with varying difficulty levels. The time allowed depends on the number of questions and their difficulty."
    }
  }
}

```

},

"PicturePerceptionAndDiscussionTest": {

"Introduction": "PP&DT is used to filter out undesirable candidates. Candidates write a story based on a hazy picture and then discuss and agree on a common story with the group.",

"Conduct": {

"PictureDescriptionTime": "30 seconds",

"StoryWritingTime": "4 minutes",

"StoryNarrationTime": "60 to 90 seconds per candidate"

},

"Assessment": "Candidates are evaluated based on story perception, confidence, participation in discussion, and the ability to lead and influence the group.",

"MistakesToAvoid": [

"Nervousness leading to failure to speak",

"Pre-conceived or synthetic stories",

"Not participating in discussion",

"Dominating the discussion"

],

"DesiredAttributes": [

"Intelligence and imagination",

"Self-confidence",

"Power of expression",

"Motivation and zeal",

"Social adjustment",

"Assertion and leadership"

]

}

},

"PsychologicalTests": {

"BasisOfPsychologicalTesting": {

"Principle": "Projective testing based on responses to various stimuli to assess personality traits.",

"Tests": [

"Word Association Test (WAT)",

"Thematic Apperception Test (TAT)",

"Situation Reaction Test (SRT)",

"Self-Description Test (SD)"

]

},

"ThematicApperceptionTest": {

"Conduct": "12 pictures are shown one by one. Candidates write a story based on each picture in 4 minutes. The last picture is blank, allowing any story.",

"PointsToRemember": "The main character in the story reflects the candidate's own traits. Stories must be based on the pictures shown."

},

"WordAssociationTest": {

"Conduct": "Candidates see 60 words one after the other and write a sentence using each word in 15 seconds.",

"PointsToAvoid": [

"Idioms and phrases lacking originality",

"Preachy sentences",

"Frequent use of 'I'",

"Negative sentences",

"References to celebrities"

],

"Preferred": [

"Sentences reflecting personal beliefs and values",

"Factual sentences based on recent events",

"Positive sentences"

]

},

"SituationReactionTest": {

"Introduction": "Candidates respond to 60 described situations to reflect common sense, reasoning, and maturity.",

"Conduct": "30 minutes are allowed to respond in writing. Responses should be complete actions, not just reactions."

},

"SelfDescriptionTest": {

"Introduction": "Candidates write 5 paragraphs about how various people view them, their self-image, and their desired improvements.",

"PointsToRemember": "Descriptions should be realistic, not overly explicit about weaknesses, and project qualities effectively."

}

}

},

{

"GroupTesting": {

"BasisOfGroupTesting": {

"Description": "Group Testing is based on the theory of Gestalt, wherein the GTO looks at the candidates performing in a group, then gradually singles them out and gives a closer look and finally once again observes them perform in the group.",

"Phases": [

{

"Name": "Basic Series",

```

"Tasks": [
  "Group Discussion (GD)",
  "Group Planning Exercise (GPE)",
  "Progressive Group Task (PGT)",
  "Group Obstacle Race (GOR)"
],
"Stages": [
  {
    "Stage": "Exploration",
    "Description": "Candidates explore and try to gauge each other's abilities. This typically happens during the two rounds of the GD."
  },
  {
    "Stage": "Competition",
    "Description": "Candidates tend to impose their supremacy on others and try to get control of the group. This occurs during the
GPE."
  },
  {
    "Stage": "Cooperation",
    "Description": "The group realizes the importance of teamwork and cooperation. This happens in the GOR."
  }
]
},
{
  "Name": "Confirmatory Series",
  "Tasks": [
    "Half Group Task (HGT)",
    "Lecturette (Lec)",
    "Individual Obstacles (IO)",
    "Command Task (CT)"
  ],
  "Description": "This series focuses more intensely on individuals as most of these tasks are individual in nature."
},
{
  "Name": "Final Series",
  "Tasks": ["Final Group Task (FGT)"],
  "Description": "This is a final observation of candidates performing in a group before concluding the test series."
}
]

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```

},
"GroupDiscussion": {
  "Conduct": {
    "Rounds": 2,
    "FirstRound": {
      "Description": "Group chooses from two topics for discussion, with a 20-minute time limit. Topics are usually current affairs.",
      "Preparation": "Read newspapers and magazines regularly."
    },
    "SecondRound": {
      "Description": "Group discusses a single social topic with three leads and a 20-minute time limit.",
      "Objective": "No conclusion is expected."
    }
  },
  "Approach": {
    "InitiateDiscussion": "Try to start or enter the discussion early.",
    "AddValue": "Bring fresh points and avoid repetition.",
    "BePolite": "Disagree politely and offer chances to others.",
    "MaintainDisposition": "Keep a smiling and calm demeanor."
  },
  "ExampleTopics": [
    {
      "Question": "The world is witnessing civil unrest in Egypt, Libya, Syria, etc. What is the major fallout?",
      "Options": [
        "Will it lead to Third World War?",
        "Will it disintegrate the Arab world?",
        "Will it intensify the struggle for energy security by western societies?"
      ]
    },
    {
      "Question": "India witnessed several scams in the recent past. Who should be held responsible?",
      "Options": [
        "The politicians",
        "The bureaucrats",
        "The common people"
      ]
    },
    {
      "Question": "India faces several challenges on its path to becoming a superpower. Which is the most complex?",

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"Options": [
  "Terrorism",
  "Naxalism",
  "Separatism"
]
}
]
},
"GroupPlanningExercise": {
  "Conduct": {
    "Stages": [
      {
        "Stage": 1,
        "Description": "GTO explains a model. Candidates can clarify doubts."
      },
      {
        "Stage": 2,
        "Description": "GTO reads a story. Pay attention without taking notes."
      },
      {
        "Stage": 3,
        "Description": "Candidates write individual solutions in 10 minutes."
      },
      {
        "Stage": 4,
        "Description": "Group discusses and evolves a common plan."
      },
      {
        "Stage": 5,
        "Description": "Group nominates one person to explain the common plan."
      }
    ],
    "Prioritization": {
      "FirstPriority": "Serious problems like severe injuries or unconsciousness.",
      "SecondPriority": "Problems involving large number of people or significant property damage.",
      "ThirdPriority": "Individual problems like kidnapping.",
      "LastPriority": "Less important problems like lost items."
    }
  },

```



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"PointsToNote": [
    "Identify and prioritize problems.",
    "Consider available resources and make reasonable assumptions.",
    "Ensure the common plan achieves the main aim."
]
},
"Approach": {
    "WrittenSolution": [
        "List problems in priority order.",
        "Identify resources and their uses.",
        "Write solutions with practical considerations.",
        "Ensure the plan achieves the main aim."
    ],
    "DiscussionStage": [
        "Be prepared for heated discussions.",
        "Initiate or enter discussions early.",
        "Avoid repetition and bring fresh points.",
        "Be polite and cooperative."
    ]
}
},
"ProgressiveGroupTask": {
    "Conduct": {
        "Description": "Group crosses four obstacles in 45 minutes, using materials like planks, ballis, and ropes.",
        "Rules": [
            "Group Rule: All members must cross before moving to the next obstacle.",
            "Distance Rule: Bridge distances more than four feet.",
            "Colour Rule: Follow rules based on structure color.",
            "Rule of Rigidity: No two rigid materials can be tied together.",
            "Rule of Infinity: Imaginary extension of start and finish lines."
        ]
    },
    "Approach": {
        "Obstacles": [
            {
                "FirstObstacle": "Use direct bridging with materials.",
                "SecondObstacle": "Look for obvious cantilever arrangements.",
                "ThirdObstacle": "Handle complex cantilevers and use more resources."
            }
        ]
    }
}

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    "FourthObstacle": "Focus on earlier obstacles; often not reached."
  }
],
"KeyQualities": [
  "Ability to grasp rules and conditions.",
  "Logical and practical approach.",
  "Team contribution and cooperation.",
  "Overcoming difficulties and communication."
]
}
}
}
},
{
  "GroupObstacleRace": {
    "Conduct": "This is the fourth task in the GTO test series and the last one in the basic series. In this task, the group races through a series of six obstacles while carrying a rolled-up tent, referred to as the snake race.",
    "Rules": [
      "Once the group picks up the snake, the snake should not touch the ground before crossing the finish line.",
      "The snake is not to be shortened or folded in any manner.",
      "The snake should take the same course as the candidates through the obstacles.",
      "All candidates should be holding the snake when running from one obstacle to the other, and while negotiating the obstacles, at least three candidates should always be holding the snake.",
      "The group rule of the PGT is applicable. Even if you cross the obstacle first, wait for others and do not go to the next obstacle.",
      "The colour rule is also applicable. Some portions of the obstacle will be painted red. Make sure you do not touch red portions.",
      "The group has to use the channel that has been assigned to them by the GTO.",
      "In case any of the rules is violated, the GTO will impose certain penalties. Penalties can be of two types: reversing count or asking some group members to repeat the obstacles."
    ],
    "Obstacles": [
      {
        "Name": "Single Ramp",
        "Description": "The group is required to climb the ramp and jump.",
        "Image": "Picture 19"
      },
      {
        "Name": "Figure of Eight",
        "Description": "The group is required to make a figure of 8 through this obstacle.",
        "Image": "Picture 20"
      }
    ]
  }
}

```

```

},
{
  "Name": "Spider's Web",
  "Description": "Details not provided in the document.",
  "Image": "Picture 21"
},
{
  "Name": "Double Wall",
  "Description": "Two walls connected by a round wooden log. The group is expected to climb the first wall, walk on the wooden log,
and then jump down from the second wall.",
  "Image": "Picture 22"
},
{
  "Name": "Single Wall",
  "Description": "Higher than the double wall. Heavier candidates should go up first.",
  "Image": "Picture 23"
},
{
  "Name": "Single Ramp or Slide",
  "Description": "A tall slide. Lighter and fitter candidates should go first.",
  "Image": "Picture 24"
}
],
"QualitiesObserved": [
  "Ability to grasp the rules and conditions of tackling the obstacles.",
  "Ability to plan and organize the group.",
  "Ability to coordinate with the various members of the group.",
  "Ability to contribute to the group functioning.",
  "Ability to cooperate and work as a team member.",
  "Ability to overcome frustration and difficulties.",
  "Ability to communicate ideas effectively.",
  "Urge and enthusiasm for physical tasks.",
  "Physical fitness and stamina.",
  "Body-limb coordination.",
  "Physical and mental robustness."
],
"Approach": [
  "Be enthusiastic towards the task and cheer team members.",

```

"Help heavier and weaker members through obstacles.",
"Take responsibility for the snake.",
"Avoid selfishness; focus on group success.",
"Keep cheering and supporting weaker members.",
"Do not focus on the GTO.",
"Avoid touching red colour and changing channels.",
"Ensure at least three members are holding the snake throughout.",
"Admit and rectify any rule violations if instructed."

]

},

"HalfGroupTask": {

"Conduct": "The group is broken into two smaller sub-groups. Each sub-group tackles one obstacle from the PGT series. One sub-group tackles the obstacle while the other observes from a distance.",

"Rules": [

"Group rule from PGT does not apply; only the specific obstacle rules apply.",
"Each sub-group has 20 minutes to complete the task.",
"The concept of cantilever is used."

],

"QualitiesObserved": [

"Ability to grasp the rules and conditions.",
"Logical approach.",
"Practical work sense.",
"Effective use of resources.",
"Contribution to group functioning.",
"Cooperation and teamwork.",
"Ability to overcome difficulties.",
"Effective communication.",
"Power of expression.",
"Initiative and leadership.",
"Confidence and decision-making speed."

],

"Approach": [

"Be a constructive member of the group.",
"Take the lead or support the leader.",
"Be helpful and avoid criticism.",
"Do not shout or throw materials.",
"Avoid focusing on the GTO.",
"Admit and rectify any rule violations."

]

},

"Lecturette": {

"Conduct": "Each candidate delivers a short talk for three minutes on a topic chosen from a card with four topics. Preparation time is three minutes, and the talk duration is three minutes.",

"Topics": {

"HighLevel": [

"Global Oil Crisis",

"Nuclear Energy",

"Indo-Pak Peace Process",

"Indo-US Relations"

],

"AverageLevel": [

"Indian Religion",

"Indian Culture",

"Women in Society",

"Rural Society"

],

"LowLevel": [

"My School Friends",

"Best Child",

"Childhood Days",

"E-mail"

]

},

"QualitiesObserved": [

"Awareness of developments.",

"Ability to organize thoughts.",

"Power of expression.",

"Self-confidence.",

"Ability to influence the group.",

"Liveliness.",

"Determination and focus.",

"Courage to face the group.",

"Mental stamina."

],

"Approach": [

"Choose a familiar topic.",

"Remain composed while speaking.",
"Speak slowly and clearly.",
"Avoid looking at the GTO.",
"Engage with the audience.",
"Use hands minimally.",
"Do not lean on the podium.",
"Divide content into sections.",
"Avoid exceeding time or ending abruptly."

]

},

"IndividualObstacles": {

"Conduct": "Candidates tackle ten obstacles individually within three minutes. Points are awarded based on successful completion of each obstacle."

"Obstacles": [

{

"Name": "Single Ramp",

"Description": "Run over the ramp and land on the sand pit.",

"Points": 1

},

{

"Name": "Double Barrel Jump",

"Description": "Jump over two drums without touching them.",

"Points": 2

},

{

"Name": "Balancing Beam",

"Description": "Walk across three wooden beams placed at height.",

"Points": 3

},

{

"Name": "Screen Jump",

"Description": "Jump over a red screen without touching it.",

"Points": 4

},

{

"Name": "Rope Walk",

"Description": "Walk on a rope while holding another rope.",

"Points": 5

```

},
{
  "Name": "Tarzan's Swing",
  "Description": "Swing on a rope and land beyond a point.",
  "Points": 6
},
{
  "Name": "Double Platform Jump",
  "Description": "Jump between two platforms and land in a sand pit.",
  "Points": 7
},
{
  "Name": "Double Ditch",
  "Description": "Jump across two ditches using a rope.",
  "Points": 8
},
{
  "Name": "Commando Walk",
  "Description": "Walk on a narrow plank with a victory stand.",
  "Points": 9
},
{
  "Name": "Tiger's Leap",
  "Description": "Leap from a platform and catch a rope.",
  "Points": 10
}
],
"PointsToRemember": [
  "Start with high-value obstacles.",
  "Do not walk on the ground.",
  "Avoid touching red portions.",
  "Remain composed on high-rise obstacles.",
  "Do not look at the GTO.",
  "Manage time efficiently."
],
"QualitiesObserved": [
  "Understanding of rules and procedures.",
  "Effective intelligence and organizing ability."
]

```

```

    "Sense of responsibility.",
    "Time management.",
    "Self-confidence.",
    "Speed of decision-making.",
    "Liveliness and determination.",
    "Courage and stamina."
  ]
},
"CommandTask": {
  "Conduct": "Each candidate is designated as a commander and selects two team members to assist in completing a task based on the concept of cantilever. The commander is responsible for organizing and leading the task.",
  "QualitiesObserved": [
    "Capacity to lead a group.",
    "Effective intelligence.",
    "Organizing ability.",
    "Power of expression.",
    "Control over task and subordinates.",
    "Cooperation and initiative."
  ]
}
},

{
  "interview_technique": {
    "introduction": "The interview process followed at the SSB is based on Free Association Technique. In this technique, the interviewer establishes a very free association through his informality and then probes your past behaviours to extrapolate your likely behaviour in the future. It is believed that your past is a reflection of your future.",
    "conduct": {
      "schedule": "Interviews start immediately after the psychological tests on the second day. Each interview lasts for 45 minutes to an hour, but can be shorter or longer. Depending on the batch size, some interviews may occur on the 3rd or 4th day.",
      "dress_code": "If the interview is on the 3rd or 4th day immediately after the GTO testing, sports dress may be acceptable. Otherwise, formals are preferred. For summer, a full sleeve shirt with tie is suggested, and for winter, a blazer can be added. Ensure to shave and groom hair properly.",
      "procedure": "Candidates will be made to sit in a waiting room and then called in by the interviewer. Knock before entering, sit upright, keep your legs straight, and maintain eye contact with the interviewer."
    },
    "significance_of_piq": "The PIQ form is crucial as the interviewer will base many questions on it. Be prepared to discuss your PIQ details truthfully. Avoid bluffing and ensure your answers align with what was written in the PIQ.",
    "interview_questions": {
      "sequence_1": {
        "description": "Questions related to work history for candidates who are employed.",

```



```

"questions": [
  "Tell me about your job/previous job.",
  "What duties did you perform?",
  "What were your likes/dislikes about this job?",
  "What were your working conditions and earnings?",
  "Reasons for changing job?",
  "How satisfied were you with your job?",
  "What have been your achievements?"
]
},
"sequence_2": {
  "description": "Questions related to education and training.",
  "questions": [
    "Tell me about your education from class VIII onwards.",
    "Subjects you liked and disliked.",
    "Grades and overall academic performance.",
    "Efforts in extracurricular/co-curricular activities.",
    "Friend circle and close friends.",
    "Relationship with teachers.",
    "How is your education financed?"
  ]
},
"sequence_3": {
  "description": "Questions about family details and early home background.",
  "questions": [
    "Tell me about your family.",
    "Parents' occupation.",
    "Number of brothers and sisters.",
    "Time spent together and activities at home.",
    "Whom do you approach for help?",
    "Activities involved with the family.",
    "How do you meet your monetary requirements?",
    "Friends in the neighborhood and social/cultural activities."
  ]
},
"sequence_4": {
  "description": "Questions about spare time, interests, hobbies, and games.",
  "questions": [

```

```

    "How do you spend your spare time?",

    "Prominent interests, hobbies, and level of proficiency.",

    "Preference for team or individual games and level of proficiency.",

    "Routine on normal days and holidays.",

    "Reading habits – newspapers, books, magazines.",

    "TV programs and movies."
]
},

"sequence_5": {
    "description": "Questions about present social adjustment for serving candidates.",

    "questions": [

        "Personal interests and hobbies.",

        "Attitude towards others.",

        "Financial stability.",

        "Health status, physical vigour, and stamina."
    ]
},

"sequence_6": {
    "description": "Questions based on general awareness.",

    "topics": [

        "Honours and awards.",

        "Computers and allied topics.",

        "Military matters.",

        "Historical records and geographical details.",

        "Music.",

        "Sports and games.",

        "Current affairs."
    ]
},

"sequence_7": {
    "description": "Self-evaluation questions.",

    "questions": [

        "What are your strong points or assets in your personality?",

        "What would you like to improve or develop further?"
    ]
}
},

"points_to_remember": [

```

"Do not get over friendly.",
"Speak to the point.",
"Keep looking at the interviewer.",
"Be attentive and respond smartly.",
"Do not use slang.",
"The more you reveal, the more you will be probed.",
"Do not lie as it requires more smartness to get away.",
"Do not contradict your own statements given in PIQ.",
"Do not criticize friends, teachers, parents, or anyone.",
"Sit comfortably and keep a positive attitude."

]

}

},

{

"ConferenceProcedure": {

"Overview": {

"Day": 5,

"Process": "Each candidate is called into the conference room one by one for a final review.",

"Discussion": "Conference among the Psychologist, GTO, and Interviewing Officer.",

"Outcome": "Decision based on the collective opinion of all three assessors."

},

"DosAndDonts": {

"Dos": [

"Wear formal dress. In winter, a blazer is acceptable. In summer, a tie is sufficient. Avoid three-piece suits.",

"Always wear full sleeve shirts.",

"Look smart. Ensure proper shaving and grooming.",

"Knock before entering the room.",

"Sit with your spine straight, arms on your thighs, and maintain good posture.",

"Maintain a smiling face and make eye contact with the person speaking.",

"Answer questions carefully and do not contradict yourself.",

"Prepare answers for any questions you could not answer during the interview.",

"Do not criticize the center, food, mates, or staff.",

"Project a positive attitude and indicate that you enjoyed the experience.",

"If asked for suggestions, provide constructive ideas without complaining.",

"Avoid nervous habits like shaking your leg.",

"When leaving, wish everyone 'good day', walk to the door, push it open, and exit."

],

"Donts": [

```
"Do not ask questions during the conference.",
"Do not suggest changes to the testing procedure.",
"Do not criticize the center or the process.",
"Do not display signs of nervousness."
]
},
"PostConference": {
  "Process": "Pack your bags and get ready to leave.",
  "Announcement": "Successful candidates will be announced and asked to stay for further documentation and medical examination.",
  "FurtherSteps": "Others will be dropped at the railway station.",
  "Advice": "If not selected, consider a second attempt as familiarity with the procedure can improve chances. Persistence is key."
}
}
}
```

]