

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO**

Booklet Serial No. **808277**

Test Booklet Series

**SCREEN TECHNICIAN/SUPERVISOR  
OMR Examination - 2025**



**Time Allowed: 120 Minutes**

**Maximum Marks: 120**

**INSTRUCTIONS**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number, Booklet Serial No. and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer /Response Sheet. Any omission/discrepancy will render the Response Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.  

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4. This Test booklet contains **120** items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the appropriate. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer /Response Sheet provided. *See directions in the Response Sheet.*
6. **All** items carry equal marks.
7. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer /Response Sheet**. You are permitted to take away with you the Test Booklet and **Candidate's Copy of the Response Sheet**.
8. Sheets for rough work are appended in the Test Booklet at the end.
9. While writing Centre Code and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use "**ONLY BLUE/BLACK BALL POINT PEN**".
10. **Penalty for wrong answers:**

**THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTIONS PAPERS).**

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **(1/4)** of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives 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.
- (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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**(Set - A)**

*(A - 100)*



1. Neha and Malti went for shopping. Neha had 20% more money than Malti. After they spent Rs. 50 and Rs. 30 respectively, Neha's remaining money was 10% more than Malti's remaining money. What was the total amount of money the two girls (Neha and Malti) had initially?
- A) Rs. 170  
B) Rs. 204  
C) Rs. 374  
D) Rs. 347
2. A certain amount of money is divided between two friends such that 75% of the first friend's share is Rs. 4 more than 50% of the second friend's share, and 70% of the second friend's share is Rs. 5 more than 85% of the first friend's share. What is the total amount of money?
- A) Rs. 100  
B) Rs. 124.5  
C) Rs. 165  
D) Rs. 179.5
3. Arun received the examination results of his scores for the seven subjects. The score of each subject was out of 40 marks. Arun doesn't want to disclose his actual marks to his friends. So, Arun told them his average marks of the two subjects. The average marks for Sanskrit and Hindi were 31, while the average for Sanskrit and English was 31.5. Additionally, the average marks for Computer Science and English were 31, and the average for Computer Science and Mathematics was 28.5. Similarly, the average marks for Mathematics and Science were 26.5, and the average for Science and Social Studies was 27.5. Finally, the average marks for Social Studies and Hindi were 26. Using this data, determine the percentage of Arun's marks (rounded off to the nearest decimal place).
- A) 70%  
B) 72%  
C) 80%  
D) 84%
4. Out of five subjects, Akshay's average marks in three subjects came out to be 68.6. Akshay aims to achieve 75 average marks in all five subjects. How many average marks does Akshay score in his last two subjects to meet his goal?
- A) 84.6  
B) 85.4  
C) 87.3  
D) 88.1

5. A train is traveling at a speed equal to  $1/6$  times the square of the car's speed. If the car takes 13 hours and the train takes 6 hours to reach the destination at the  $x$  km. Find the value of  $x$  in km.
- A) 169  
B) 186  
C) 224  
D) 265
6. A, B, and C alone can do a piece of work in 20,  $x$ , and 60 days respectively. The whole work can be completed earlier, if A does work for 15 days, assisted by B and C on every third day. Find the value of  $x$ .
- A) 15  
B) 25  
C) 30  
D) 35
7. If  $x^2 - 12xy = -35y^2$ . Then find the minimum possible value of  $x : y$
- A) 4:3  
B) 5:1  
C) 6:2  
D) 8:5
8. If  $a : b = 6 : 7$  and  $b : c = 5 : 9$ , find  $a : b : c$
- A) 30 : 35 : 63  
B) 20 : 36 : 63  
C) 18 : 15 : 21  
D) 9 : 20 : 21
9. The ratio between the present ages of two friends is 7:8. After 4 years, the ratio of their ages becomes 9:10. Find the sum of their present ages.
- A) 30 years  
B) 36 years  
C) 42 years  
D) 45 years
10. The product of two numbers A and B is 450. If twice of B is 11 more than A, then compute  $A - B$ .
- A) 4  
B) 5  
C) 6  
D) 7

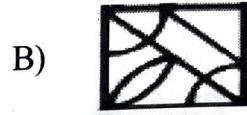
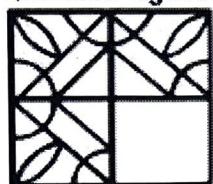
- 11.** A fair dice is rolled twice. What is the probability that the sum of the numbers on both rolls is equal to 8 ?
- A)  $1/6$   
B)  $5/36$   
C)  $1/12$   
D)  $7/36$
- 12.** In a lottery, there are 100 tickets numbered from 1 to 100. What is the probability that a ticket drawn at random has a number multiple of 2, 3, or 7?
- A) 72 %  
B) 79 %  
C) 85%  
D) 97%
- 13.** A coin is tossed 5 times. What is the probability of getting at least 2 tails?
- A)  $3/6$   
B)  $2/5$   
C)  $12/15$   
D)  $13/16$
- 14.** What is the total number of possibilities to select 2 boys and 2 girls from a group of 4 boys and 6 girls?
- A) 210  
B) 120  
C) 90  
D) 60
- 15.** The sum of two numbers is 42. Their Least Common Multiple (LCM) is 135, and their Highest Common Factor (HCF) is 3. Find the sum of the squares of both numbers.
- A) 954  
B) 980  
C) 1024  
D) 1080
- 16.** One number is 50% greater than the other. Their LCM is 6, and their HCF is 36. Find their sum.
- A) 24  
B) 30  
C) 36  
D) 42
- 17.** Three bells ring at intervals of 12 seconds, 18 seconds, and 27 seconds respectively. When will all the bells ring simultaneously?
- A) 1.8 minutes  
B) 0.8 minutes  
C) 1.5 minutes  
D) 0.5 minutes

18. Find the area of the hexagon whose side length is 8 cm (Rounded off to the nearest decimal place). (Take  $\sqrt{3} = 1.73$ )
- A) 147 cm<sup>2</sup>
  - B) 151 cm<sup>2</sup>
  - C) 156 cm<sup>2</sup>
  - D) 166 cm<sup>2</sup>
19. A cylindrical water tank has a radius of 7 meters and a height of 10 meters. What is the total surface area of the tank (including the top, bottom, and side)?
- A) 748 m<sup>2</sup>
  - B) 662 m<sup>2</sup>
  - C) 560 m<sup>2</sup>
  - D) 484 m<sup>2</sup>
20. The length of a rectangular plot is 15 cm, and the width is 80 cm. A circular park with a radius of 7 cm is situated at one corner of the rectangle. What is the area of the remaining land?
- A) 1112 cm<sup>2</sup>
  - B) 1046 cm<sup>2</sup>
  - C) 820 cm<sup>2</sup>
  - D) 695 cm<sup>2</sup>
21. Enigma : Mystery:: Paradox:?
- A) Contradiction
  - B) Axiom
  - C) Confusion
  - D) Conundrum
22. SVY:TWZ::ILO:???
- A) JMO
  - B) HKN
  - C) SWY
  - D) BEH
23. JKMPT:UVXAE::EFHKO:
- A) PQSVZ
  - B) JKMPT
  - C) LMORV
  - D) RSUXB
24. Priya has a daughter named Shruti. Shruti's sister-in-law, Shalini, is married to Ramesh, the son of Priya's husband's sister. How is Shruti related to Ramesh from the maternal side?
- A) Mother
  - B) Grandmother
  - C) Cousin Sister
  - D) Aunt

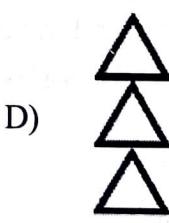
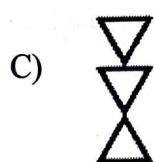
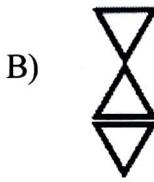
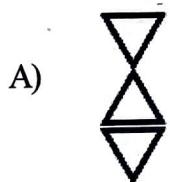
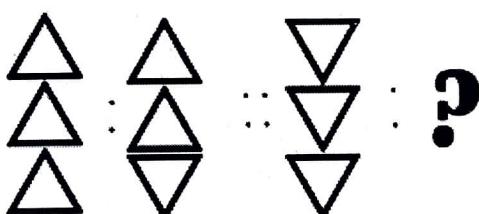
25. Pooja's father has two sons Mohan and Rohan. Rohan is married to Rani. Rani's brother is Pooja's husband and Pooja has a daughter named Tara. How is Tara related to Mohan?
- A) Daughter
  - B) Niece
  - C) Daughter-in-law
  - D) Granddaughter
26. Find the odd one out.
- A) Despondency
  - B) Euphoria
  - C) Melancholy
  - D) Sorrow
27. Find the odd one out.
- A) 924
  - B) 693
  - C) 532
  - D) 423
28. Find the odd one out.
- A) 243
  - B) 127
  - C) 255
  - D) 511
29. Mohan is standing at point P. He walks 5 meters north, then turns left and walks 6 meters. He then turns right and walks 8 meters. After this, he turns right again and walks 6 meters. Finally, he turns left and walks 5 meters. What is the shortest distance back to point P?
- A) 16 meters
  - B) 18 meters
  - C) 20 meters
  - D) 22 meters
30. A man started walking from point A and walked 10 meters towards the west. He then turns to his right and walks 15 meters. After turning to his right again, he walks 10 meters. After this, he turns to his right and walks 20 meters. Finally, he turns to his left and walks 5 meters. In which direction is he now from his starting point?
- A) Southeast
  - B) East
  - C) West
  - D) North

31. Which answer figure will complete the pattern in the question figure?

Question figure



32. Select a suitable figure from the four alternatives that would complete the figure matrix.



33. In a class of 120 students, students enroll in three subjects, Biology, Physics, and Mathematics. The following data is provided regarding their enrollment. 45 students opt for Biology. 50 students opt for Physics. 60 students opt for Mathematics. 25 students opt for both Biology and Physics. 30 students opt for both Biology and Mathematics. 35 students opted for both Physics and Mathematics. 15 students opted for all three subjects: Biology, Physics, and Mathematics. How many students are enrolled in only one subject?

- A) 05
- B) 10
- C) 15
- D) 20

34. Which of the following diagrams depicts the relation among Currency, Dinar, and Rupee?



35. Find the missing term in the series:

11, 13, 16, 21, 28, ?, 52

A) 29

B) 28

C) 38

D) 39

36. Find the missing term in the series:

2, 3, 8, 19, ?, 101

A) 33

B) 38

C) 46

D) 57

37. Find the missing term in the series:

5, 7, 11, 19, 35, 67, ?, 259.

A) 144

B) 68

C) 131

D) 156

38. The word "SPOON" is translated into "TRRSS". Then by the same encoding rules translate the word "FORTH".

A) GQUXH

B) NBGHP

C) GJSMQ

D) VDGEW

39. The word "BANANA" is translated into "CBPCRE". Then by the same encoding rules translate the word "PAPAYA".

A) QDRCDD

B) QBRCCE

C) QCRCCE

D) PBPAYA

40. If "COMPUTER" is written as "PMOCRETU" then what will "ARTICLES" be written as
- A) ITRASELC
  - B) KWLEMMQQ
  - C) IKGVAQLN
  - D) JAEVPXWY
41. Fill in the blank with the correct article. If no article is required, select no article.  
Today he is at \_\_\_\_\_ zenith of his career.
- A) a
  - B) an
  - C) the
  - D) No article
42. Fill in the blank with the correct article. If no article is required, select no article.  
\_\_\_\_\_ honest man lodged \_\_\_\_\_ FIR when he saw someone committing fraud in  
the marketplace
- A) An, a
  - B) An, an
  - C) The, an
  - D) The, No article
43. Fill in the blank with the correct article. If no article is required, select no article.  
We visited \_\_\_\_\_ museum during our trip to \_\_\_\_\_ city.
- A) a, the
  - B) No article, a
  - C) the, the
  - D) a, no article
44. Select the synonym of the word KNUCKLE.
- A) Joint
  - B) Bend
  - C) Strike
  - D) Noisy
45. Select the Synonyms of the word ZEST
- A) Insipidity
  - B) Piquancy
  - C) Platitude
  - D) Blandness
46. Select the Synonyms of the word ABYSMAL
- A) Profound
  - B) Shoal
  - C) Flush
  - D) Fathomable

47. Select the antonyms of the word VIRTUOSO

- A) Prodigy
- B) Ignoramus
- C) Pundit
- D) Adept

48. Select the antonyms of the word BEATITUDE

- A) Felicity
- B) Serenity
- C) Agitation
- D) Ecstasy

49. Select the antonyms of the word EGOIST

- A) Egomaniac
- B) clown
- C) Altruist
- D) Narcissist

50. Fill in the blank with a suitable preposition in the below sentence.

He quickly jumped \_\_\_\_ the train as it stopped at the platform.

- A) of
- B) off
- C) from
- D) in

51. Fill in the blank with a suitable preposition in the below sentence.

\_\_\_\_ the delicious food, the table had fresh flowers placed \_\_\_\_ each plate.

- A) Beside, beside
- B) Besides, beside
- C) Beside, besides
- D) Besides, besides

52. Which of the following sentences is correct regarding the use of propositions?

- A) The teacher emphasised on the need of discipline in life.
- B) She promised to accompany with me to the park.
- C) I informed to the police about the accident.
- D) I did not see anybody else but your brother.

53. Fill in the blank with a suitable verb in the below sentence.

His heart felt \_\_\_\_ with sorrow after hearing the tragic news.

- A) wrung
- B) wring
- C) wronged
- D) wringed

54. Fill in the blank with a suitable verb in the below sentence.  
The miller \_\_\_\_\_ the wheat into flour before the factory \_\_\_\_\_ its maintenance operations.

- A) grind, ground
- B) ground, grounded
- C) grounded, grounded
- D) Grinded, ground

55. In this question, the sentence is broken into four parts. Find out the error part in the sentence from the given options and mark your answer. If there is no error, mark the answer as "No error".

Plenty of books (a)/were donated (b)/to the library (c)/by him (d).

- A) were donated
- B) to the library
- C) by him
- D) No error

56. In this question, the sentence is broken into four parts. Find out the error part in the sentence from the given options and mark your answer. If there is no error, mark the answer as "No error".

Many students (a)/ has completed (b)/ their assignments (c)/ before the deadline (d).

- A) has completed
- B) their assignments
- C) before the deadline
- D) No error

Read the following passage carefully and answer the questions that follow: (Q.No.57 to 60)  
Artificial Intelligence (AI) is transforming the landscape of both research and education by offering innovative solutions that enhance learning experiences and accelerate scientific discoveries. In research, AI's ability to analyze large volumes of data quickly and accurately is proving invaluable. AI algorithms can identify patterns, trends and correlations that human researchers may overlook. It leads to faster breakthroughs in fields like medicine, physics, and environmental science. Machine learning techniques are being used to predict outcomes, analyze complex data sets and automate repetitive tasks which allows researchers to focus on creative problem-solving.

In education, AI is reshaping how students learn and interact with educational content. Personalized learning platforms powered by AI adapt to the needs and learning styles of individual students by providing tailored content that helps them learn at their own pace. AI-driven tools can also assist teachers in grading, monitoring student progress and identifying areas where students need more support. Furthermore, AI enables remote learning by providing interactive and engaging online experiences, especially for students in underdeveloped or remote regions. The potential of AI in education lies not only in improving academic performance but also in bridging the gap in educational opportunities worldwide. However, there are challenges, including the need to ensure the ethical use of AI and to address concerns about privacy and data security.

57. How is AI beneficial in scientific research?
- A) By enhancing abstract thinking
  - B) By slowing down data analysis
  - C) By identifying patterns and trends in large data sets
  - D) By replacing all human researchers
58. What role does AI play in personalized learning?
- A) AI replaces teachers entirely
  - B) AI provides tailored content based on individual learning styles
  - C) AI prevents students from interacting with educational content
  - D) AI limits the variety of learning materials available
59. What is one of the challenges of using AI in education?
- A) Increased student-teacher interaction
  - B) Ensuring the ethical use of AI and protecting privacy
  - C) Eliminating all traditional methods of learning
  - D) Reducing the availability of online resources
60. How does AI contribute to remote learning?
- A) By eliminating the need for teachers
  - B) By providing interactive and engaging online learning experiences
  - C) By restricting access to educational content
  - D) By limiting the reach of online courses
- ★ 61. Choose the sentence with the correct determiner.
- A) Much people are attending the conference.
  - B) Lots of people are attending the conference.
  - C) Very few people are attending the conference.
  - D) Several people are attending the conference.
62. Select the sentence where the determiner is NOT used correctly.
- A) There is much information available on the topic.
  - B) Several students submitted their assignments on time.
  - C) A little effort can make a big difference.
  - D) A few people attended the meeting despite the invitation.
63. Which of the following sentences uses a possessive determiner correctly?
- A) The idea was well received by his committee.
  - B) The dog wagged his tail happily after seeing his owner.
  - C) Your performance in the tournament was remarkable.
  - D) Tina forgot to bring its spectacles to her work.
64. Choose the alternative bearing the correct spelling from a, b, c and d.
- A) Idiosincrasies
  - B) Idiosyncraces
  - C) Idiosyncrasies
  - D) Idiosyncrasys

65. Fill in the blank with the correct spelling from the options in the below sentence.  
His \_\_\_\_\_ nature caused many to question his intentions.
- A) promiscuos  
B) promiscous  
C) promisquous  
D) promiscuous
66. Fill in the blank with the correct spelling from the options in the below sentence.  
\_\_\_\_\_ at the workplace often leads to a toxic culture where true talent is overlooked.
- A) Sycophansey.  
B) Sycophancy  
C) Sycophancey  
D) Sycophantey
67. Choose the correct alternative among the options to improve the bold part in the below sentence.  
**The committee was divided in their opinion about the new policy.**
- A) was divided in their opinion  
B) were divided in its opinion  
C) was divided in its opinion  
D) were divided in their opinion
68. Choose the correct alternative among the options to improve the bold part in the below sentence.  
**The project deadline was extended due to the team's incapacity of completing the tasks in time.**
- A) due to the team's inability of completing the tasks in time.  
B) because of the team being incapable to complete the tasks in time.  
C) due to the team's inability to complete the tasks on time.  
D) owing to the team incapable of completing the tasks timely.
69. In this question, the sentence is broken into four parts. Find out the error part in the sentence from the given options and mark your answer.
- (a) The teacher, along with the students / (b) were visiting the science museum / (c) to learn about the latest innovations / (d) and inventions in technology.
- A) The teacher, along with the students  
B) were visiting the science museum  
C) to learn about the latest innovations  
D) and inventions in technology
70. Given below are five scattered segments of a sentence. Indicate the correct sequence which correctly assembles the segments and completes the sentence.
1. that helps students
  2. develop critical thinking skills
  3. Reading is an essential habit
  4. and enhances their knowledge
  5. in various subjects
- Choose the correct Answer**
- A) 3 - 1 - 2 - 5 - 4  
B) 3 - 4 - 1 - 5 - 2  
C) 3 - 1 - 2 - 4 - 5  
D) 3 - 5 - 4 - 1 - 2

71. Who was the Governor of the Reserve Bank of India in January 2025?
- A) Raghuram Rajan
  - B) Urjit Patel
  - C) Shaktikanta Das
  - D) Sanjay Malhotra
72. Which Indian agency has recently joined the Steering Committee of the Asset Recovery Interagency Network-Asia Pacific (ARIN-AP)?
- A) Financial Intelligence Unit (FIU)
  - B) Central Bureau of Investigation (CBI)
  - C) Directorate of Enforcement (ED)
  - D) National Investigation Agency (NIA)
73. Which award did Zakir Hussain receive in 2023 for his contribution to Indian classical music?
- A) Padma Shri
  - B) Padma Bhushan
  - C) Padma Vibhushan
  - D) Bharat Ratna
74. In which event did Manu Bhaker win her first Olympic medal?
- A) 25m Pistol
  - B) 10m Air Rifle
  - C) 10m Air Pistol
  - D) 50m Rifle
75. Match the following pairs of Major Dhyan Chand Khel Ratna Award 2024 awardees with their corresponding sport.
- |                            |                   |
|----------------------------|-------------------|
| i. Shri Gukesh D           | 1) Para-Athletics |
| ii. Shri Harmanpreet Singh | 2) Hockey         |
| iii. Shri Praveen Kumar    | 3) Shooting       |
| iv. Ms. Manu Bhaker        | 4) Chess          |
- Choose the correct Options:**
- A) i-1, ii-2, iii-3, iv-4
  - B) i-4, ii-2, iii-3, iv-1
  - C) i-3, ii-4, iii-1, iv-2
  - D) i-4, ii-2, iii-1, iv-3
76. Which of the following pairs is/are correct regarding the Dronacharya Award for Outstanding Coaches (regular category) in Sports and Games 2024?
1. Shri Subhash Rana - Para-Shooting
  2. Ms. Deepali Deshpande - Badminton
  3. Shri Sandeep Sangwan - Hockey
- Choose the correct option:**
- A) 1 and 2
  - B) 1 and 3
  - C) 2 and 3
  - D) 1, 2 and 3

- 77.** Consider the following statements about Sittanavasal Cave.
1. The Sittanavasal Caves in Tamil Nadu are ancient Jain rock-cut temples dating back to the 7<sup>th</sup> century CE.
  2. The caves are renowned for their fresco-secco mural paintings, which depict scenes of lotus ponds, animals, and Jain monks.
  3. These caves are a significant example of Jain art and architecture in South India.
- Which of the above statements are true?**
- A) Only 1
  - B) 2 and 3
  - C) 1 and 3
  - D) 1, 2 and 3
- 78.** Which of the following is the classical dance of Assam?
- A) Kathak
  - B) Sattriya
  - C) Kathakali
  - D) Manipuri
- 79.** Which of the following is NOT the festival of Arunachal Pradesh?
- A) Losar
  - B) Dree
  - C) Saung
  - D) Ranikor
- 80.** Which of the following Indian painting styles is recognized by its use of intricate gold detailing and mythological themes?
- A) Madhubani
  - B) Thanjavur
  - C) Pattachitra
  - D) Warli
- 81.** Which of the following statements about the famous temples of India is/are correct?
1. Meenakshi Temple (Tamil Nadu) - A historic temple in Madurai, famous for its stunning Dravidian architecture.
  2. Sun Temple (Odisha) - A 13<sup>th</sup>-century temple in Konark, known for its unique chariot-shaped structure.
  3. Somnath Temple (Gujarat) - A historic temple known for the annual Rath Yatra (chariot festival).
- Which of the above statements is/are correct?**
- A) 1 and 2
  - B) 2 and 3
  - C) 1 and 3
  - D) 1, 2 and 3

82. Who was the founder of the Chola dynasty?
- A) Rajaraja Chola I
  - B) Vijayalaya Chola
  - C) Rajendra Chola I
  - D) Karikala Chola
83. Among the following queens who ruled first in chronological order?
- A) Razia Sultana
  - B) Rani Laxmibai
  - C) Noor Jahan
  - D) Ahilyabai Holkar
84. The Doctrine of Lapse was withdrawn due to which of the following reasons?
- 1. The Doctrine of Lapse was withdrawn because Lord Dalhousie was not in favor of it.
  - 2. The doctrine significantly contributed to the outbreak of the Indian Rebellion of 1857.
  - 3. Queen Victoria's Proclamation in 1858 aimed to reassure Indian rulers and led to the abandonment of the doctrine.
- Choose the correct option:**
- A) Only 2
  - B) 1 and 2
  - C) 2 and 3
  - D) 1, 2, and 3
85. The Poona Pact of 1932 was signed between:
- A) Mahatma Gandhi and Jawaharlal Nehru
  - B) Mahatma Gandhi and B.R. Ambedkar
  - C) Subhas Chandra Bose and Vallabhbhai Patel
  - D) B.R. Ambedkar and Lord Irwin
86. The Brahmaputra River flows through, which of the following countries before entering India?
- A) Myanmar and China
  - B) Bhutan and China
  - C) Nepal and Bhutan
  - D) China and Bangladesh
87. Match the following pairs about the major dams located in various states in India.
- |                         |                                 |
|-------------------------|---------------------------------|
| i. Tehri Dam            | 1) Karnataka                    |
| ii. Nagarjuna Sagar Dam | 2) Andhra Pradesh               |
| iii. Srisailam Dam      | 3) Telangana and Andhra Pradesh |
| iv. Almatti Dam         | 4) Uttarakhand                  |
- Choose the correct Options**
- A) i-1, ii-2, iii-3, iv-4
  - B) i-4, ii-3, iii-2, iv-1
  - C) i-3, ii-4, iii-1, iv-2
  - D) i-4, ii-2, iii-1, iv-3

88. Which of the following minerals is primarily extracted from the Kudremukh mines?
- A) Iron Ore
  - B) Manganese
  - C) Bauxite
  - D) Coal
89. Which of the following place in India has highest annual rainfall?
- A) Gangtok (Sikkim)
  - B) Mawsynram (Meghalaya)
  - C) Agumbe (Karnataka)
  - D) Mahabaleshwar (Maharashtra)
90. Mangrove forests in India are predominantly found in which region?
- A) The Western Ghats
  - B) The Deccan Plateau
  - C) The Nilgiris
  - D) The Sunderbans
91. Match the different states/union territories of India with their capitals.
- |                  |              |
|------------------|--------------|
| i. Assam         | 1) Porvorim  |
| ii. Goa          | 2) Kavaratti |
| iii. Lakshadweep | 3) Dispur    |
| iv. Tripura      | 4) Agartala  |
- Choose the correct Options:**
- A) i-2, ii-3, iii-4, iv-1
  - B) i-4, ii-1, iii-2, iv-3
  - C) i-4, ii-2, iii-1, iv-3
  - D) i-3, ii-1, iii-2, iv-4
92. Hyderabad is the joint capital of which two Indian states until 2014?
- A) Andhra Pradesh and Karnataka
  - B) Telangana and Maharashtra
  - C) Andhra Pradesh and Telangana
  - D) Karnataka and Tamil Nadu
93. Which states/Union Territories were NOT part of India at the time of independence?
- 1. Goa
  - 2. Puducherry
  - 3. Nagaland
  - 4. Sikkim
- Choose the correct option:**
- A) Only 1
  - B) 1 and 2
  - C) 1, 2 and 4
  - D) 1, 2, and 3

**94.** Arrange the following states in the chronological order of formation of states. [10]

1. Telangana
2. Maharashtra
3. Meghalaya
4. Karnataka

**Choose the correct options:**

- A) 1, 2, 3, 4
- B) 1, 3, 2, 1
- C) 4, 2, 3, 1
- D) 2, 4, 1, 3

**95.** Which gas is commonly known as "Laughing Gas"?

- A) Nitrogen
- B) Nitrogen Dioxide
- C) Nitrous Oxide
- D) Carbon Dioxide

**96.** Which process releases carbon dioxide into the atmosphere and from which part is it expelled?

- A) Photosynthesis - Leaves
- B) Respiration - Alveoli
- C) Fermentation - Food
- D) Nitrogen Fixation - Root nodules

**97.** The boiling point of water at sea level is:

- A) 100°C
- B) 90°C
- C) 80°C
- D) 120°C

**98.** What is the full form of RNA?

- A) Ribosomal Nucleic Acid
- B) Ribonucleic Acid
- C) Random Nucleic Acid
- D) Ribosomal Nucleotides Acid

**99.** Which category does silicon belong to?

- A) Metal
- B) Non-metal
- C) Semimetal
- D) Noble gas

**100.** Match the following pairs of human body organs with their primary functions:

- |              |  |
|--------------|--|
| i. Heart     | 1) Produces insulin to regulate blood sugar. |
| ii. Lungs    | 2) Pumps blood throughout the body.          |
| iii. Kidneys | 3) Filters blood and removes waste.          |
| iv. Pancreas | 4) Helps in breathing and oxygen exchange.   |

**Choose the correct Options.**

- A) i-2, ii-4, iii-3, iv-1
- B) i-2, ii-1, iii-4, iv-3
- C) i-4, ii-1, iii-2, iv-3
- D) i-3, ii-1, iii-2, iv-4

**101.** Match the different varieties of food with their primary vitamin content.

**Variety of Food**

1. Orange, Amla
2. Peanuts, Soybeans
3. Carrot, Papaya
4. Sunflower, soya, corn and olive oil

**Vitamins**

- i) Vitamin-A
- ii) Vitamin-C
- iii) Vitamin-B6
- iv) Vitamin-E

**Choose the correct options:**

- A) 1 - iii, 2 - ii, 3 - iv, 4 - i
- B) 1 - i, 2 - ii, 3 - iii, 4 - iv
- C) 1 - ii, 2 - iii, 3 - i, 4 - iv
- D) 1 - iv, 2 - i, 3 - ii, 4 - iii

**102.** Which of the following is NOT a good example of good hygiene?

- A) Brushing teeth twice a day
- B) Washing hands after using the restroom
- C) Sharing personal items like towels and toothbrushes
- D) Showering regularly

**103.** Match the minerals with their functions:

**Minerals**

1. Calcium
2. Iron
3. Potassium
4. Zinc

**Function**

- i) Helps in the formation of red blood cells and prevents anemia
- ii) Supports bone and teeth health
- iii) Regulates fluid balance and muscle function
- iv) Supports the immune system and wound healing

**Choose the correct options:**

- A) 1 - ii, 2 - i, 3 - iii, 4 - iv
- B) 1 - iv, 2 - ii, 3 - i, 4 - iii
- C) 1 - iii, 2 - iv, 3 - ii, 4 - i
- D) 1 - i, 2 - iii, 3 - iv, 4 - ii

**104.** Which of the following statements directly highlights the importance of Personal hygiene?

1. Personal Hygiene practices help reduce the spread of infections and contagious diseases.
2. Good Personal hygiene contributes to improved air quality and reduced pollution.
3. Good Personal hygiene practices contribute to better physical and mental health.

**Which of the above statements is/are correct?**

- A) Only 1
- B) Only 1 and 2
- C) Only 1 and 3
- D) All of the above

- 105.** Which disease is commonly associated with poor sanitation?
- A) Diabetes
  - B) Cholera
  - C) Asthma
  - D) Hypertension
- 106.** Which of the following statements about Kazinag National Park is correct?
- A) It is located on the south bank of the Jhelum River and is about 170 kilometers from Srinagar.
  - B) The park is home to over 200 species of birds, including rare migratory species.
  - C) The park is house for the endangered markhor and the Kashmir flying squirrel.
  - D) The park is located in Ladakh and is famous for its high-altitude desert ecosystem.
- 107.** The Tulip Garden (Indira Gandhi Memorial Tulip Garden) is situated on the foothills of which range?
- A) Pir Panjal Range
  - B) Zabarwan Range
  - C) Shivalik Range
  - D) Karakoram Range
- 108.** Which districts are included in the low-altitude subtropical zone (JK-1)?
- A) Jammu district only
  - B) Only Kathua and Udhampur districts
  - C) Outer hills of Jammu Division and parts of Poonch, Rajouri
  - D) Jammu, Kathua, Udhampur, Poonch, and Rajouri districts
- 109.** Which soil type is known for having high water holding capacity and is found in regions like Gulmarg and Pahalgam?
- A) Mountain Meadow Soil
  - B) Lithosol Soil
  - C) Red and Yellow Podzolic Soil
  - D) Saline Alkali Soil
- 110.** Which of the following statements is correct?
- A) Pulwama is known as Mini Kashmir
  - B) Udhampur is known as Bowlis and the Land of Devika
  - C) Baramulla is known as the Valley of Shepherds
  - D) Pahalgam is known as the Land of Saffron
- 111.** Which of the following is NOT Kashmiri Music?
- A) Qawwali
  - B) Rouf or Wanwun
  - C) Ladishah
  - D) Sufiana Kalam

- 112.** Which of the following statements about Kud dance is NOT correct?
- A) Kud dance is performed to honor the gods 'Lok Devtas' as a thanks giving ritual.
  - B) Special Musical instruments like Chhaina, Drums, Narsingha, and flute are used in Kud dance.
  - C) This dance is traditionally performed in the mountainous regions around Jammu during the rainy season.
  - D) Kud dance is performed exclusively by boys, with one of them taking on the role of a female.
- 113.** Which ancient temple in Jammu is dedicated to the presiding deity of the region, Goddess Kali?
- A) Raghunath Temple
  - B) Shankaracharya Temple
  - C) Bahu Fort Temple
  - D) Amarnath Temple
- 114.** Which of the following statement is NOT related to Sheer Chai?
- A) It is made with gunpowder tea, milk, and baking soda.
  - B) It is served with bread such as kulcha or tsochwor.
  - C) It is a salted tea with a pinkish color.
  - D) It is made from green tea leaves and served cold.
- 115.** Which of the following statements about Pashmina Shawl is/are correct?
- 1. The wool comes from a Changthangi goat, a special breed of goats found in the high-altitude regions of India
  - 2. The Changpa tribe, from the Changthang region of Ladakh, are the traditional producers of Pashmina Wool.
  - 3. The uniqueness of Pashmina Shawl lies in its unparalleled softness, warmth, and lightweight nature.
- Which of the above statements is/are correct?**
- A) Only 2
  - B) Only 1 and 2
  - C) Only 2 and 3
  - D) All of the above
- 116.** Which of the following statements about The Dogra Dynasty is/are correct?
- 1. The Dogra Dynasty was founded by Maharaja Gulab Singh, ruled the princely state of Jammu and Kashmir from 1746 to 1947.
  - 2. The dynasty's last ruler, Maharaja Hari Singh, signed the Instrument of Accession, which made Jammu and Kashmir part of India
  - 3. The monarchy was abolished in 1952, ending over a century of Dogra rule.
- Which of the above statements is are correct?**
- A) Only 1 and 2
  - B) Only 1 and 3
  - C) Only 2 and 3
  - D) All of the above

**117.** Who is considered the founder of the city of Jammu?

- A) Maharaja Gulab Singh
- B) Raja Jambulochan
- C) Ranbir Singh
- D) Hari Singh

**118.** Which of the following statements about the book "Rajatarangini" is incorrect?

- A) It was written in Sanskrit by the Kashmiri Brahman Kalhana in 1148.
- B) It consists of 7,826 verses that are divided into eight books.
- C) The text provides valuable insights about the political, social, and cultural life of early Kashmir.
- D) It was translated into English by Kisari Mohan Ganguli.

**119.** Which ruler of Kashmir is known as the "Akbar of Kashmir" for his progressive reforms?

- A) Zain-ul-Abidin
- B) Yusuf Shah Chak
- C) Lalitaditya Muktapida
- D) Sikandar Butshikan

**120.** When did Jammu and Kashmir officially become a Union Territory of India?

- A) 15 August 2019
  - B) 31 October 2019
  - C) 26 January 2020
  - D) 2 October 2019
-

## **ROUGH WORK**

1.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

2.  $\frac{1}{3} \times \frac{1}{3} = \frac{1}{9}$

3.  $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$

4.  $\frac{1}{5} \times \frac{1}{5} = \frac{1}{25}$

5.  $\frac{1}{6} \times \frac{1}{6} = \frac{1}{36}$

6.  $\frac{1}{7} \times \frac{1}{7} = \frac{1}{49}$

7.  $\frac{1}{8} \times \frac{1}{8} = \frac{1}{64}$

8.  $\frac{1}{9} \times \frac{1}{9} = \frac{1}{81}$

9.  $\frac{1}{10} \times \frac{1}{10} = \frac{1}{100}$

10.  $\frac{1}{11} \times \frac{1}{11} = \frac{1}{121}$

11.  $\frac{1}{12} \times \frac{1}{12} = \frac{1}{144}$

12.  $\frac{1}{13} \times \frac{1}{13} = \frac{1}{169}$

13.  $\frac{1}{14} \times \frac{1}{14} = \frac{1}{196}$

14.  $\frac{1}{15} \times \frac{1}{15} = \frac{1}{225}$

15.  $\frac{1}{16} \times \frac{1}{16} = \frac{1}{256}$

16.  $\frac{1}{17} \times \frac{1}{17} = \frac{1}{289}$

17.  $\frac{1}{18} \times \frac{1}{18} = \frac{1}{324}$

18.  $\frac{1}{19} \times \frac{1}{19} = \frac{1}{361}$

19.  $\frac{1}{20} \times \frac{1}{20} = \frac{1}{400}$

20.  $\frac{1}{21} \times \frac{1}{21} = \frac{1}{441}$

21.  $\frac{1}{22} \times \frac{1}{22} = \frac{1}{484}$

22.  $\frac{1}{23} \times \frac{1}{23} = \frac{1}{529}$

23.  $\frac{1}{24} \times \frac{1}{24} = \frac{1}{576}$

24.  $\frac{1}{25} \times \frac{1}{25} = \frac{1}{625}$

25.  $\frac{1}{26} \times \frac{1}{26} = \frac{1}{676}$

26.  $\frac{1}{27} \times \frac{1}{27} = \frac{1}{729}$

27.  $\frac{1}{28} \times \frac{1}{28} = \frac{1}{784}$

28.  $\frac{1}{29} \times \frac{1}{29} = \frac{1}{841}$

29.  $\frac{1}{30} \times \frac{1}{30} = \frac{1}{900}$

30.  $\frac{1}{31} \times \frac{1}{31} = \frac{1}{961}$

31.  $\frac{1}{32} \times \frac{1}{32} = \frac{1}{1024}$

32.  $\frac{1}{33} \times \frac{1}{33} = \frac{1}{1089}$

33.  $\frac{1}{34} \times \frac{1}{34} = \frac{1}{1296}$

34.  $\frac{1}{35} \times \frac{1}{35} = \frac{1}{1225}$

35.  $\frac{1}{36} \times \frac{1}{36} = \frac{1}{1296}$

36.  $\frac{1}{37} \times \frac{1}{37} = \frac{1}{1369}$

37.  $\frac{1}{38} \times \frac{1}{38} = \frac{1}{1444}$

38.  $\frac{1}{39} \times \frac{1}{39} = \frac{1}{1521}$

39.  $\frac{1}{40} \times \frac{1}{40} = \frac{1}{1600}$

40.  $\frac{1}{41} \times \frac{1}{41} = \frac{1}{1681}$

41.  $\frac{1}{42} \times \frac{1}{42} = \frac{1}{1764}$

42.  $\frac{1}{43} \times \frac{1}{43} = \frac{1}{1849}$

43.  $\frac{1}{44} \times \frac{1}{44} = \frac{1}{1936}$

44.  $\frac{1}{45} \times \frac{1}{45} = \frac{1}{2025}$

45.  $\frac{1}{46} \times \frac{1}{46} = \frac{1}{2116}$

46.  $\frac{1}{47} \times \frac{1}{47} = \frac{1}{2209}$

47.  $\frac{1}{48} \times \frac{1}{48} = \frac{1}{2304}$

48.  $\frac{1}{49} \times \frac{1}{49} = \frac{1}{2401}$

49.  $\frac{1}{50} \times \frac{1}{50} = \frac{1}{2500}$

50.  $\frac{1}{51} \times \frac{1}{51} = \frac{1}{2601}$

51.  $\frac{1}{52} \times \frac{1}{52} = \frac{1}{2704}$

52.  $\frac{1}{53} \times \frac{1}{53} = \frac{1}{2809}$

53.  $\frac{1}{54} \times \frac{1}{54} = \frac{1}{2916}$

54.  $\frac{1}{55} \times \frac{1}{55} = \frac{1}{3025}$

55.  $\frac{1}{56} \times \frac{1}{56} = \frac{1}{3136}$

56.  $\frac{1}{57} \times \frac{1}{57} = \frac{1}{3249}$

57.  $\frac{1}{58} \times \frac{1}{58} = \frac{1}{3364}$

58.  $\frac{1}{59} \times \frac{1}{59} = \frac{1}{3481}$

59.  $\frac{1}{60} \times \frac{1}{60} = \frac{1}{3600}$

60.  $\frac{1}{61} \times \frac{1}{61} = \frac{1}{3721}$

61.  $\frac{1}{62} \times \frac{1}{62} = \frac{1}{3844}$

62.  $\frac{1}{63} \times \frac{1}{63} = \frac{1}{3969}$

63.  $\frac{1}{64} \times \frac{1}{64} = \frac{1}{4096}$

64.  $\frac{1}{65} \times \frac{1}{65} = \frac{1}{4225}$

65.  $\frac{1}{66} \times \frac{1}{66} = \frac{1}{4356}$

66.  $\frac{1}{67} \times \frac{1}{67} = \frac{1}{4489}$

67.  $\frac{1}{68} \times \frac{1}{68} = \frac{1}{4624}$

68.  $\frac{1}{69} \times \frac{1}{69} = \frac{1}{4761}$

69.  $\frac{1}{70} \times \frac{1}{70} = \frac{1}{4900}$

70.  $\frac{1}{71} \times \frac{1}{71} = \frac{1}{5041}$

71.  $\frac{1}{72} \times \frac{1}{72} = \frac{1}{5184}$

72.  $\frac{1}{73} \times \frac{1}{73} = \frac{1}{5329}$

73.  $\frac{1}{74} \times \frac{1}{74} = \frac{1}{5476}$

74.  $\frac{1}{75} \times \frac{1}{75} = \frac{1}{5625}$

75.  $\frac{1}{76} \times \frac{1}{76} = \frac{1}{5776}$

76.  $\frac{1}{77} \times \frac{1}{77} = \frac{1}{5929}$

77.  $\frac{1}{78} \times \frac{1}{78} = \frac{1}{6084}$

78.  $\frac{1}{79} \times \frac{1}{79} = \frac{1}{6241}$

79.  $\frac{1}{80} \times \frac{1}{80} = \frac{1}{6400}$

80.  $\frac{1}{81} \times \frac{1}{81} = \frac{1}{6561}$

81.  $\frac{1}{82} \times \frac{1}{82} = \frac{1}{6724}$

82.  $\frac{1}{83} \times \frac{1}{83} = \frac{1}{6889}$

83.  $\frac{1}{84} \times \frac{1}{84} = \frac{1}{7056}$

84.  $\frac{1}{85} \times \frac{1}{85} = \frac{1}{7225}$

85.  $\frac{1}{86} \times \frac{1}{86} = \frac{1}{7396}$

86.  $\frac{1}{87} \times \frac{1}{87} = \frac{1}{7569}$

87.  $\frac{1}{88} \times \frac{1}{88} = \frac{1}{7744}$

88.  $\frac{1}{89} \times \frac{1}{89} = \frac{1}{7921}$

89.  $\frac{1}{90} \times \frac{1}{90} = \frac{1}{8100}$

90.  $\frac{1}{91} \times \frac{1}{91} = \frac{1}{8281}$

91.  $\frac{1}{92} \times \frac{1}{92} = \frac{1}{8464}$

92.  $\frac{1}{93} \times \frac{1}{93} = \frac{1}{8649}$

93.  $\frac{1}{94} \times \frac{1}{94} = \frac{1}{8836}$

94.  $\frac{1}{95} \times \frac{1}{95} = \frac{1}{9025}$

95.  $\frac{1}{96} \times \frac{1}{96} = \frac{1}{9216}$

96.  $\frac{1}{97} \times \frac{1}{97} = \frac{1}{9409}$

97.  $\frac{1}{98} \times \frac{1}{98} = \frac{1}{9604}$

98.  $\frac{1}{99} \times \frac{1}{99} = \frac{1}{9801}$

99.  $\frac{1}{100} \times \frac{1}{100} = \frac{1}{10000}$