



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

RASHTRIYA MILITARY SCHOOL (RMS – CET) EXAMINATION PREVIOUS YEAR QUESTION PAPER - 2020

ENGLISH

Directions (Q1 - Q5): read the paragraph carefully and answer the following questions

Sports play an important role in the life of every growing boy and girl. Young boys and girls need to play games if they are to develop a strong and healthy body. Besides, the play field provides a person with an opportunity to learn virtues like self control and cooperation, so essential in building up of a balanced personality

The Duke of Wellington is reported to have said that the battle of Waterloo was won on the play fields of Eton. What he meant was that the officers, who had received their schooling at Eton. What he meant was that the officers, who had received their schooling at Eton had learnt courage, manliness, the fighting spirit and fair play in their school games. It was these qualities that made them such good leaders of men, and above all, such fine soldiers. So we cannot underestimate the importance of game

1. ".....if they are to develop a strong and healthy body". the word "They" has been used for;

- a) Good leaders
- b) Young boys and girls
- c) Fine soldiers
- d) The Duke of Wellington

2. What should we do to develop a strong and healthy body;

- a) We should eat more food
- b) We should play games

- c) We should eat sweets
- d) We should drink coca-cola

3. According to Duke Wellington where was the battle of Waterloo won?

- a) In the battle field
- b) In France
- c) In the play fields of Eton
- d) In England

4. What are the qualities needed for a balanced personality as mentioned in the paragraph?

- a) Courage
- b) Manliness
- c) Fighting spirit and fair play
- d) all of these

5. Select the word closest in the meaning to the word "Virtues" used in the paragraph;

- a) Advantages
- b) Qualities
- c) Skills
- d) Ill traits

Directions (Q6-Q10) Choose the word from among the options which is opposite in the meaning to the underlined word;

6. The building looked UGLY after painting.

- a) neat
- b) clean
- c) dirty
- d) beautiful

7. The doctor's performance was brilliant



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- a) wonderful
- b) sharp
- c) dull
- d) beautiful

8. The boss spoke to him in a cold manner

- a) nice
- b) kind
- c) warm
- d) angry

9. Life on earth is not simple as it used to be.

- a) easy
- b) difficult
- c) complex
- d) big

10. In that country people wear strange dress

- a) rare
- b) ordinary
- c) good
- d) bad

Directions (Q11-Q15) Fill in the blanks with suitable prepositions from given options;

11. Anjali is suffering Malaria

- a) with
- b) of
- c) from
- d) at

12. Sonu has no love..... music

- a) in
- b) for
- c) at
- d) on

13. The boy ran.....the dog

- a) after
- b) for
- c) at
- d) on

14. The driver jumpedthe car

- a) out
- b) off
- c) of
- d) at

15. The birds were caughtthe net

- a) on
- b) upon
- c) in
- d) at

Directions (Q16-Q20) Choose the correct meaning of the idioms given options given below;

16. See eye to eye

- a) Stare at each other
- b) agree
- c) depend on
- d) Make

17. Get cold feet

- a) Be nervous
- b) feet feeling like ice
- c) An un recognizable enemy or danger
- d) Ignore someone

18. Lion's share

- a) No share at all
- b) Greater share of thing
- c) Miserly
- d) .very small item



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

19. Piece of cake

- a) Something very easy
- b) Be in trouble
- c) Have doubts
- d) Something very difficult

20. Heart and soul

- a) The whole of one's energy and passion
- b) honestly
- c) wearily
- d) Very casually

Directions (Q21-Q25) Re-arrange the letters to find out correct words from the options given below

21. EDAF

- a) fead
- b) Daef
- c) Fed a
- d) Deaf

22. RESOW

- a) sewor
- b) Ewosr
- c) Worse
- d) wosre

23. SUMEMU

- a) Musume
- b) Mesuum
- c) Mesumu
- d) Museum

24. TNGIKH

- a) Knight
- b) Night
- c) kighnt
- d) kinght

25. EGEMRE

- a) Emerge

- b) Ergeme
- c) Merege
- d) Geerme

Directions (Q26-30) Choose from the given options the word which can be substituted for the given words / sentence

26. An enclosure for keeping birds

- a) Apiary
- b) Aviary
- c) Zoo
- d) Aquarium

27. A sound that cannot be heard.

- a) Invisible
- b) Irreparable
- c) Inaudible
- d) Unheard

28. One who eats too much.

- a) cannibal
- b) Non vegetarian
- c) Herbivores
- d) Glutton

29. The place for luggage at railway station

- a) compartment
- b) clock room
- c) waiting room,
- d) Platform

30. A person who believes in the existence of god

- a) Pacifist
- b) Atheist
- c) Theist
- d) Ascetic



NDI



NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

DIRECTIONS (Q36-Q40) Fill in the blanks with conjunctions from the options as given below

36. John is reading.....Mary is playing

- a) so
- b) because
- c) but
- d) or

37. You will wait.....I return

- a) still
- b) or
- c) till
- d) but

38. Go at once.....you will be late

- a) and
- b) or
- c) since
- d) although

39. Two years have passed..... he left Chennai.

- a) for
- b) or
- c) although
- d) Since

40..... He is poor, he is honest

- a) since
- b) though
- c) as
- d) yet

Directions (Q41-Q45) Identify the parts of speech of the underlined words from the options given below

41. They reached the home at ten

- a) noun
- b) preposition

- c) adjective
- d) pronoun

42. He goes to school daily.

- a) noun
- b) preposition
- c) verb
- d) Adjective

43. Mumbai is India's biggest city

- a) pronoun
- b) preposition
- c) adjective
- d) noun

44. We had a nice time in Gulmarg

- a) noun
- b) verb
- c) adjective
- d) pronoun

45. The taj mahal is situated on the banks of the yamuna

- a) verb
- b) adverb
- c) adjective
- d) noun

Directions (Q46-50) Choose the word from the following the four options which is similar in meaning to the given word

46. Ancient

- a) new
- b) very old
- c) ugly
- d) beautiful

47. Tiny

- a) small
- b) big



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- c) near
- d) far

48. Huge

- a) clean
- b) large
- c) ugly
- d) dirty

49. Conquest

- a) victory
- b) defeat
- c) destruction
- d) peace

50. Begin

- a) cruel
- b) kind
- c) start
- d) stop

GENERAL KNOWLEDGE

51. Who wrote our national song?

- a) Bankim chandra chatterjee
- b) Bipin chandra pal
- c) Swami vivekananda
- d) Rabindranath tagore

52. Who created the legendary comic character of "chacha chaudhary"?

- a) a. Vishnu Sharma
- b) b. Pran kumar Sharma
- c) c. Harvinder Manker
- d) d. Anupam Sinha

53. Which country is the largest producer of gold?

- a) Ghana
- b) Zimbabwe
- c) Argentina

- d) China

54. Which is the secret intelligence agency of Israel ?

- a) MOSSAD
- b) ISI
- c) CIA
- d) KGB

55. Which is the longest mountain range in the world?

- a) Himalayas
- b) Andes
- c) Alps
- d) Rockies

56. What is measured by Anemometer?

- a) Rain
- b) Wind speed
- c) Atmospheric pressure
- d) Temperature

57. Where is Satish Dhawan Space Center?

- a) Sriharikota
- b) Bengaluru
- c) Chennai
- d) Goa

58. How many fundamental rights are there in our constitution?

- a) 7
- b) 6
- c) 5
- d) 8

59. What is the parliament of Japan called ?

- a) Bundestag
- b) Duma
- c) Congress



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

d) Diet

60. How many members are there in Rajya sabha ?

- a) 344
- b) 250
- c) 312
- d) 272

61. What makes our muscles?

- a) Carbohydrates
- b) sugar
- c) fats
- d) Protein

62. Where is national stock exchange of India situated?

- a) New delhi
- b) Mumbai
- c) Bangalore
- d) Ahmedabad

63. In which state the ancient city of Lothal situated ?

- a) Gujarat
- b) Punjab
- c) Haryana
- d) Orissa

64. To which religion is the word Tirthankara associated?

- a) Sikhism
- b) Judaism
- c) Jainism
- d) Buddhism

65. Bajrang punia is related to which sport?

- a) Boxing
- b) Jodo
- c) Wrestling

d) Weightlifting

66. How many states and union territories are there in India after Article 370 ?

- a) 26 states and 11uts
- b) 27 states and 10uts
- c) 28 states and 8uts
- d) 29 states and 8uts

67. Name the application recently launched by the Ministeries of Earth Sciences to help farmers.

- a) Meghdoot
- b) Bheem
- c) Pahar
- d) Shakthi

68. Between which two oceans do Australia lies?

- a) The indian ocean and Pacific ocean
- b) The indian ocean and Atlantic ocean
- c) The Pacific ocean and Atlantic ocean
- d) The arctic ocean and Indian ocean

69. What is full form of RAM in computer?

- a) Random Access Memory
- b) Read Only Memory
- c) Read Access Memory
- d) Readable Access Memory

70. Which colour of light scatters the most?

- a) Blue
- b) Red
- c) Voilet
- d) White

71. How many bytes are in a Kilobyte?

- a) 1024bytes
- b) 1024 bit



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- c) 1024 kilobyte
- d) 1024 Megabyte

72. Where the UNESCO World Heritage Site "Elephanta caves " is located?

- a) Gharapuri in mumbai
- b) Raj Vila in Puna
- c) Pandev cave in Nashik
- d) None of these

73. Which metal is the lightest in the world?

- a) Lithium
- b) Aluminium
- c) Copper
- d) Lead

74. Why are the Leaves Green in colour?

- a) Due to the presence of Chlorophyll
- b) Due to presence of chloroform
- c) Due to presence of Zylem
- d) None of the above

75. Which is the highest civilian award of the Republic of India ?

- a) Padma Vibushan
- b) Param Vir Chakra
- c) Bharat Ratna Award
- d) Shaurya Chakra

76. Which is the biggest bone in the human body?

- a) Cerebral cortex
- b) Femur
- c) Tiba
- d) Humerus

77. What is the figure with 9 sides called?

- a) Hexagon
- b) Octagon

- c) Nonagon
- d) Decagon

78. What makes up approximately 70% of the human body?

- a) Bones
- b) Water
- c) Blood
- d) Muscles

79. Olympics games are held after every ?

- a) 5 years
- b) 4 years
- c) 6 years
- d) none of these

80. which is the oldest landmass of India?

- a) The Southern Peninsula
- b) Himalayas
- c) Northern Plains
- d) Thar Desert

81. Arrange these Indian states in the order of the length of their coastline

- a) Goa, Maharashtra, Gujarat, Kerala
- b) Kerala, Goa, Gujarat, Maharashtra
- c) Goa, Kerala, Maharashtra, gujarat
- d) None of these

82. Lord Jagannath is considered to be a form of which of the following God;

- a) a. Vishnu
- b) b. Indira
- c) c. Shiva
- d) d. Ganesha

83. In cricket what does yo-yo test measure

- a) A. eye power



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- b) b.Six hitting ability
- c) c.Fitness level
- d) d.None of these

84.Where was the 'AZAD HIND FAUJ' established ?

- a) a.Singapore
- b) b.India
- c) c.Canada
- d) d.USA

85.Who is the founder of Google ?

- a) a.Larry Page,Sergey Brin
- b) b.Mark zuckerberg
- c) c.Paul Buchheit
- d) d.None of these

86.What is the main ingredient of Glass?

- a)Borax
- b)Epsom
- c)Silica
- d)Soda Ash

87.Which flower is white in colour ?

- a) Jasmine
- b) Tulip
- c) Lilly
- d) Sun flower

88.Which organ purify our blood?

- a) Spleen
- b) Kidney
- c) Liver
- d) Heart

89.Kuchipudi is the dance form of which state ?

- a) Odisha
- b) Tamil Nadu
- c) Andhra Pradesh
- d) Kerala

90.What is the name of ISRO new humanoid robot that will go to the space next year?

- a) Vyommitra
- b) Meghdoot
- c) Indira
- d) Bheem

91.Which city is known as the Blue city of India?

- a) Amritsar
- b) Orissa
- c) Jodhpur
- d) Bengal

92.which country shares the shortest border with India ?

- a) Afghanistan
- b) Bangladesh
- c) Tibet
- d) Nepal

93.Which award ceremony was hosted live recently ?

- a) Grammy awards
- b) Oscar awards
- c) Emmy awards
- d) None of these

94.Who has been named in UN'S2020 list of young leaders?

- a) Rahul Gandhi
- b) akhilesh Yadav
- c) Udit Singhal
- d) Gautam Gambhir

95.Which country is the largest producer of cocoa used to make chocolates?

- a) Sri lanka



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- b) Peru
- c) Ivory Coast
- d) Spain

96. Who won the US Open Men's tennis tournament 2020?

- a) Gaston gaudio
- b) Dominic thiem
- c) Nadal
- d) Rozer Federer

97. Which of the following is the smallest continent?

- a) Australia
- b) Asia
- c) South America
- d) Africa

98. Samba dance is popular in which of the following countries?

- a) Brazil
- b) Peru
- c) Argentina
- d) Mexico

99. Clove is obtained from which part of the plant

- a) Root
- b) Stem
- c) Fruit
- d) Flower bud

100. Professor Amartya sen received the noble prize in which of the following fields

- a) Literature
- b) electronics
- c) Economics
- d) Geology

INTELLIGENCE TEST

DIRECTIONS (Q101-106) are based on number series

101. 48,24,12,.....(which number should come next in the series)

- 8 .
- 6
- c.4
- d.2

102. Look at the series 46,44,40,38,34,..... Which number should come next?

- a.30
- b.36
- c.32
- d.31

103. Look at the series 1536,384,96,.....which number should come next?

- a.24
- b.28
- c.18
- d.16

104. which number would fill the empty space in the series 4,7,12,19,.....,39?

- a.28
- b.26
- .24
- d.22

105. 4,6,8,9,10,12.....(find the next number in the series)

- a.14
- b.13
- c.15
- d.16



NDI



NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

106. Look at the series;41,39,35,33,29,.....,which number would come next?

- A.23
- b.24
- c.25
- c.27

Questions 107-110 are based on the letter series

107. RQP,ONM,.....,IHG,FED,Find the missing letters

- a.CDE
- B.LKI
- C.LKJ
- D.BAC

108.BKK,DMM,FOO,.....,JSS(FIND THE MISSING LETTERS)

- A.HLL
- B.HBB
- C.HTT
- D.HQQ

109.JAK,KBL,LCM,MDN.....?

- A.OEP
- B.NEO
- C.MEN
- D.PFQ

110. U,O,I,.....,A?

- A.A
- B.K
- C.F
- D.E

QUESTIONS 111-114 are based on analogy series

111.PETAL : FLOWER

- a) Pen : Paper

- b) Engine; car
- c) cat;dog
- d) Ball;game

112. Chef : Restaurant

- a) Doctor : Treatment
- b) Driver : car
- c) Teacher : school
- d) Writer : Blog

113. Paw : cat : : Hoof : ?

- a) Dog
- b) Horse
- c) Elephant
- d) Lamb

114. Nepal : Kathmandu :: Bhutan: ?

- a) Thimphu
- b) Baku
- c) Punakha
- d) Dhaka

Questions are based on verbal classification series

115. Which word does not belong to others?

- a) Inch
- b) Kilogram
- c) Centimeter
- d) Yard

116 .Which word does not belong to others?

- a) Carpenter
- b) Tailor
- c) Barber
- d) black smith

117 .Which word does not belong to others?

- a) sun



NDI



NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- b) star
- c) moon
- d) Universe

Questions 118-120 are based on blood relation series

118. A and B are sisters .c and d are brothers .A `s daughter is d`s sister.How is B is related to c?

- a) Aunt
- b) sister
- c) mother
- d) none of these

119. Pointing to a photograph ,a man said ,`I have no brother ,and that man`s father is my father`s son`.whose photograph was it?

- a) His son
- b) His own
- c) His Father
- d) His nephew

120.Pointing to a woman ,a man said,`Her father is the only son of my father`. How is the man related to woman?

- a) Brother
- b) Grand father
- c) Father
- d) Son

121. Indentify the figure that completes the pattern



(X)

- a)
- b)
- c)



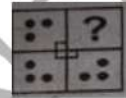
122. Identify the figure that completes the pattern.



(X)

- a)
- b)
- c)
- d)

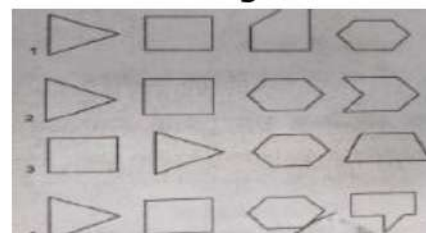
123. Choose the alternative figure



(X)

- a)
- b)
- c)
- d)

**124. Which of the following series of different shapes follow the given rule ?
(Rule : Th esides of the shapes in a series increases by only forward towards the right side.**





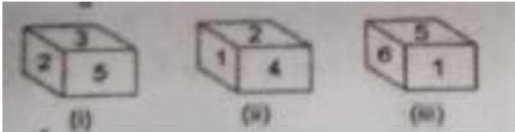
NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- a) 1
- b) 2
- c) 3
- d) 4

125. Which number is on the face opposite to face having number 1 ?



- a) 2
- b) 3
- c) 4
- d) 5

126. If a certain code language, MICROWAVE is written as LJBSNXZWD, how is POPULAR written in that code?

- a) QBIKVPVAV
- b) OPKVPAV
- c) OPOVKBQ
- d) KBQVOPA

127. If the TAP is coded as SZO, then how is FREEZE coded?

- a) ATSSTS
- b) EQDDYD
- c) ESDDYD
- d) EQDDZD

128. In a certain code IMTITJU is written as TMIIUJT, How is TEMREMP Written in that code?

- a) METERPM
- b) METRPME
- c) ETRMMEP
- d) MTERPME

129. If in a certain code ROPE is coded as 6821, CHAIR is coded as 73456 what will be the code for CRAPE?

- a) 73456
- b) 76421
- c) 77246
- d) 77123

130. In a class, rank of Atul is sixteenth from top and forty ninth from bottom. Total number of students are?

- a) 64
- b) 65
- c) 66
- d) 67

131. Find the 11th letter to the left of 20th letter from left in the English alphabet.

- a) D
- b) J
- c) K
- d) I

Directions (Q132-136); Study the following information carefully and answer the question given below

A, B, C, D, E, F, G AND H are sitting around a circular table facing the centre. H is fourth to the left of B and second to the right of F. A is third to the left of C, who is not an immediate neighbour of F. G is second to the Left of A. D is second to the right of E

132. Who is on the immediate right of F?

- a) H
- b) A
- c) G
- d) E

133. Who is third to the left of A?

- a) C
- b) F



NDI



NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- c)B
- d)G

134. In which of the following pairs is the first person sitting on the immediate left of the second person?

- a)EH
- b)DB
- c)CE
- d)AF

135 .Which of the following pairs represents the immediate neighbour of E?

- a)DH
- b)HC
- c)CA
- d)None of these

136. Who is on the immediate right of H?

- a)E
- b)C
- c)H
- d)F

In each of the following questions ,four words have been given out of which three are alike in same manner ,while the fourth one is different. Choose out the different one

137. Choose the different word from the following

- a) Lion
- b)Bear
- c)Tiger
- d)Leopard

138. Choose the different word from the following.

- a) Rose
- b)Marigold
- c)Lily

- d)Banana

139. Choose the different word from the following

- a)Chilli
- b)Tomato
- c)Potato
- d)Brinjal

140..Choose the different word from the following

- a)Sweater
- b)Shirt
- c)Trouser
- d)Jacket

141. Choose the different words from the following

- a)bus
- b)Truck
- c)Cycle
- d)Scooter

142. Arrange the words given below in a meaningful sequence

- 1.Man 2.Boy 3.Baby
4.Oldman 5.Dead

- a)3,2,1,4,5
- b)2,3,1,5,4
- c)4,1,3,2,5
- d)3,1,5,2,4

143. Arrange the words given below in a meaningful sequence

- 1.key 2.Door 3.Lock
4.Room 5.Switch on

- a)5,1,2,4,3
- b)4,2,1,5,3
- c)1,3,2,4,5
- d) 1,2,3,5,4



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

144..Arrange the words given below in a meaningful sequence

- 1.Police 2.Punishment 3.Crime
4.Judge 5.Judgement

- a)3,1,2,4,5
b)1,3,4,2,5
c)3,1,4,5,2
d)2,4,1,5,3

In each of the following questions a number series is given with one term is missing . Choose the correct alternative that wil continue the same pattern and fill in the blank spaces.

145.17,22,27,32.....

- a)33
b)35
c)38
d)37

146.87,74,61,48.....

- a)35
b)30
c)32
d)25

147.In certain code language ,NOIDA is coded as OPJEB, How is DELHI coded in that language?

- a)CDKGH
b)EFMIJ
c)FGNJK
d)IHLED

148.In certain code ,TREE is written as UQFD .How is LEAF written in that code?

- a)MFBG
b)KDZE
c)MDBE
d)MBZE

149..In certain code, IF HAT is coded as 8120,how is ban coded in this code?

- a)2124
b)2114
c)2021
d)2020

150..In certain code,ARMY is written ASOB.How is JUDGE written in that code?

- a)KVEHF
b)JVFJI
c)ITCFD
d)JWGKJ

MATHEMATICS

151.Number 12 has got how many factors?

- a)8
b)12
c)6
d)5

152.what is the value of x in $x - 15 = -10$

- a)10
b)5
c)25
d)0

153.Expressed as mixed fraction $17/4$.

- a) $1 \frac{1}{4}$
b) $3 \frac{1}{4}$
c) $2 \frac{1}{4}$
d) $4 \frac{1}{4}$

154.Find the amount whose 30% is Rs 6

- a)150
b)180
c)30
d)20



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

155. A man has a field measuring 60 acres, out of which 12 acres have been ploughed. What part of the field is yet to be ploughed?

- a) $\frac{4}{5}$
- b) $\frac{3}{4}$
- c) $\frac{5}{6}$
- d) $\frac{4}{6}$

156. The speed of a car is 80 km/hr. After 2 hours it covered one fourth of the distance to be covered. What is the total distance to be covered?

- a) 120 Km
- b) 80 Km
- c) 100 Km
- d) 640 Km

157. Write in decimal $30 + 6 + \frac{2}{10}$.

- a) 30.2
- b) 36.2
- c) 3.62
- d) 30.6

158. The smallest natural number is

- a) 0
- b) -1
- c) 2
- d) 1

159. The sum of the smallest and greatest number formed by the digits 5, 0, 8, 9, 2 is.....

- a) 20589
- b) 98520
- c) 119109
- d) 77931

160. $\frac{1}{9} + \frac{1}{9} \times \frac{1}{9} + \frac{1}{9} \times \frac{1}{9} + \frac{1}{9} = ?$

- a) $\frac{101}{729}$
- b) $\frac{100}{729}$
- c) $\frac{8}{729}$
- d) $\frac{20}{81}$

161. Sum of all the prime numbers between 10 and 25 is:

- a) 72
- b) 83
- c) 66
- d) 70

162. Which relationship given below is true?

- a) one hour is $\frac{1}{365}$ of one year
- b) one second is $\frac{1}{365}$ of one hour
- c) one second is $\frac{1}{60}$ of one minute
- d) one minute is $\frac{1}{60}$ of one second

163. An Isosceles triangle has two sides with length x . The third side is half of x . What is its perimeter.

- a) $5x$
- b) $2\frac{1}{2}x$
- c) $3x$
- d) $4\frac{1}{2}x$

164. A car travels 10 km in 1 lit of petrol. How much distance will it cover in 3 litres of petrol?

- a) 10 km
- b) 20 km
- c) 30 km
- d) 40 km



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

165. Jatin reads 200 pages of books in 10 hours .How many hours he will take to read a 320 pages book?

- a)24 hrs
- b)16 hrs
- c)18 hours
- d)32 hrs

166. 10 kg of sugar costs Rs 250 .Find the cost of 15 kg of sugar?

- a)rs 375
- b)Rs350
- c)rs 275
- d)rs 315

167. Find the supplementary angle of 55°

- a)125 °
- b)135 °
- c)45°
- d)35°

168. The sum of two angles of a triangle is 130 . Find the third angle of the triangle?

- a)50
- b)65
- c)40
- d)60

169. $8+8\div2+2$

- a)8
- b)9
- c)10
- d)6

170. what is the greatest common divisor of 54,36 and 24?

- a)2
- b)3
- c)9

d)6

171. Cost of 6 can of juice is rs.....

- a) Rs 40
- b) Rs 140
- c) Rs 35
- d) Rs 145

172. The simplification of $1 + \frac{1}{10} + \frac{1}{100} + \frac{1}{1000}$ in decimal form is Rs.....

- a) 1.0001
- b) 1.111
- c) 1.001
- d) 0.1111

173. Write 98 in Roman numerals

- a) XCVII
- b) XCVVI
- c) XCVIII
- d) XCVIV

174. Which shape never has parallel sides?

- a) Rhombus
- b) Rectangle
- c) Octagen
- d) Triangle

175. what is the complementary angle of 60° ?

- a) 120
- b) 300
- c) 30
- d) 90

176. 5:4 is equal to

- a) 80%
- b) 60%
- c) 40%
- d) 125%



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

177. The sum of the smallest even and the odd prime number is ;

- a) composite number
- b) an even number
- c) a prime number
- d) None of these

178. The HCF OF 24 and 36 is

- a)2
- b)-6
- c)14
- d)12

179. Subtract -4 from -10

- a)6
- b)-6
- c)14
- d)-14

180. 0.045 when expressed as percent is

- a)4.5%
- b)5%
- c).45%
- d)0.045%

181. Find the sum of all numbers less than 27 which are divisible by 9

- a)18
- b)54
- c)27
- d)36

182. In a school there are 1200 students.If 40% of them are girls,then find the number of boys in the school.

- a)480
- b)620
- c)720
- d)600

183. Find the value of $\frac{0.001}{0.01}$

- a) 0.001
- b) 0.01
- c) 0.011
- d) 0.1

184. $0.1 \times 0.01 - 0.01 \times 0.001$ (FIND THE VALUE)

- a) 0.00099
- b) 0.00199
- c) 0.00001
- d) None of these

185.Find the place value of 7 in 874213

- a)1000
- b)7
- c)74213
- d)70000

186.RS 55=.....PAISA

- A)5150 paisa
- b)5050 paisa
- c)5500 paisa
- d)5005 paisa

187.If the divisor is 51, quotient is 16 and remainder is 27,the dividend is?

- a) 483
- b) 94
- c) 1393
- d) 843

188. $\frac{2}{5} \% \times 240 + \frac{3}{5} \% \times 180 = ?$

- a)2.03
- b)2.04
- c)3.04
- d)20.04

189.What is the sum of prime numbers less than 25?



NDI

NATIONAL DEFENCE INSTITUTE

(A DEFENCE EXAM COACHING INSTITUTE)

- a)78
- b)75
- c)77
- d)100

190.How much is $\frac{3}{4}$ of 1 whole day and night?

- a)3hrs
- b)12 hrs
- c)18hrs
- d)10 hours

191.what is 75% of one hour?

- a)45min
- b)30min
- c)40 min
- d)60 min

192.which one of the following m]number is divisible by 3?

- a) 8003
- b) 6896
- c) 4878
- d) 2690

193.The perimeter of a square is 28m.it's area is

- a) 56sq.m
- b) 49 sq.m
- c) 27sq.m
- d) 14sq.m

194.Which one is the smallest fraction?

- a) $\frac{4}{5}$
- b) $\frac{10}{15}$
- c) $\frac{3}{5}$
- d) $\frac{2}{3}$

195.The LCM of 2,6,8 and 9 is

- a)36

- b)72
- c)18
- d)54

196.Which of the following is a right angle?

- a)30
- b)360
- c)90
- d)180

197. The circumference of a circle is 44cm .find the area of the circle.

- a)160sq.cm
- b)158sq.cm
- c)156 sq.cm
- d)154sq.cm

198.Find the difference between the smallest and the largest number of 5 digits

- a)99999
- b)98999
- b)89899
- d)89999

199.A boy runs around a rectangular field of length 40 m and breadth 25 m.How much distance will he run if he takes 4 rounds of that field?

- a)4000m
- b)260m
- c)520m
- d)400m

200.The even prime number is

- a)2
- b)6
- c)4
- d)8