| ENGLISH | Roll No. | | | | | | | | | | | | | NMMS(E) |

NMMS - MARCH, 2022

MENTAL ABILITY AND
SCHOLASTIC APTITUDE TEST

Time : Part - I : 90 Minutes   *Max. Marks* : 90
Time : Part - II : 90 Minutes   *Max. Marks* : 90

Instructions to Candidates

Read the following instructions carefully before you answer the questions. Answers are to be SHADED on a SEPARATE given OMR Answer Sheet with a **HB Pencil.** Read the **Instructions printed on the OMR Sheet carefully before answering the questions.**

1. Please write your Centre Code No. and Roll No. very clearly (only one digit in one block) on the OMR Sheet as given in your admission card. Please see that no block is left unfilled and even Zeros appearing in the Centre Code No. are correctly transferred to the appropriate blocks on the OMR Sheet as shown in the example given in the OMR Sheet. For all subsequent purposes, your Centre Code No. and Roll No. shall remain the same as given on the Admission Card.

2. The Test is in TWO Parts. **Part-I** consists of **90** questions and **Part-II** also consists of **90** questions.

3. **All** questions in Part-I and Part-II carry **one** mark each.

4. Since **all** questions are **compulsory**, do not try to read through the whole question paper before beginning to answer it.

5. Begin with the first question and keep trying one question after another till you finish both the Parts.

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6. If you do not know the answer to any question, do not spend much time on it and pass on to next one. If time permits, you can come back to the questions which you have left out in the first instance and try them again.

7. Since the time allotted to the two parts of this question paper is very limited, you should make the best use of it by not spending too much time on any question.

8. A blank page is provided for rough work at the end of each part.

9. **REMEMBER, YOU HAVE TO SHADE ANSWERS ON A SEPARATE OMR SHEET PROVIDED.**

10. Answer to each question is to be indicated by **SHADING** the circle having the number of the correct alternative in the OMR Sheet from among the ones given for the corresponding question in the booklet.

11. Now turn to the next page and start answering the questions.

12. After the examination, you should hand over the OMR Sheet to the Invigilator of the room.

13. The candidate need **not** return this Question Paper booklet and can take it after the completion of the examination. No candidate should leave the examination hall before the end of the examination.

PART - I

MENTAL ABILITY TEST

Time : 90 Minutes

Max. Marks : 90

Note :- **SHADE** the correct alternatives in the OMR Answer Sheet provided, from amongst the ones given against the corresponding questions in the Question Booklet. For shading the circles, use a **HB Pencil**.

Mental Ability Test (MAT)

Directions :

Questions 1 to 10 : In the number series given below, one number is missed. Each series is followed by four alternatives (1), (2), (3) and (4). One of them is the right answer. Indicate it as per the instructions.

1. 2, 3, 5, 7, 11, ?, 17
   - (1) 12
   - (2) 13
   - (3) 14
   - (4) 15

2. 5, 11, 17, ?, 31, 41
   - (1) 19
   - (2) 21
   - (3) 23
   - (4) 25

3. 7, 13, 21, ?, 43, 57
   - (1) 27
   - (2) 29
   - (3) 31
   - (4) 35

4. 3, 15, 35, ?, 99, 143
   - (1) 63
   - (2) 69
   - (3) 77
   - (4) 81

5. 2, 1, 2, 4, 4, 5, 6, 7, 8, 8, 10, 11, ?
   - (1) 9
   - (2) 10
   - (3) 11
   - (4) 12

6. 0, 7, 26, ?, 124, 215
   - (1) 37
   - (2) 51
   - (3) 63
   - (4) 88

7. 1, 1, 8, ?, 27, 9, 64
   - (1) 4
   - (2) 6
   - (3) 9
   - (4) 16

8. 2, 20, ?, 110, 182
   - (1) 56
   - (2) 72
   - (3) 90
   - (4) 96

9. 3, 8, 35, 48, ?, 120
   - (1) 64
   - (2) 72
   - (3) 80
   - (4) 99

10. 3, 6, 24, 30, 63, 72, ?, 132
    - (1) 42
    - (2) 58
    - (3) 90
    - (4) 120

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Directions :

Questions 11 to 20 : In these Questions a figure is divided into parts. Each part bears a number and one is blank. Numbers are given on the basis of a certain rule. You have to find out the number among the given alternatives and indicate correct sequence.
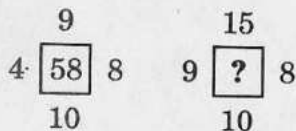
11.

7	2
42	3

9	1
18	2

5	−2
?	−3

   (1)   13
   (2)   18
   (3)   30
   (4)   −30

12.

5	6	7
3	4	5
9	10	11
345	660	?

   (1)   755
   (2)   775
   (3)   535
   (4)   477

13.

        9   15
4 |58| 8   9 |?| 8
     10   10

   (1)   63
   (2)   78
   (3)   100
   (4)   117

14.

4	6	3	8
2	8	4	4
6	5	?	10

   (1)   3
   (2)   6
   (3)   8
   (4)   10

15.

2	3
30	5

5	1
−5	−1

4	3
?	−1

   (1)   7
   (2)   −12
   (3)   12
   (4)   9

16.

15 × 22 / 36 / 16 × 9   13 × 11 / 16 / 7 × 9   21 × ? / 64 / 15 × 13
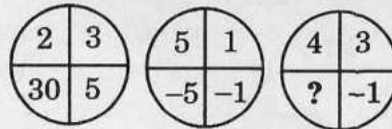
   (1)   23
   (2)   19
   (3)   20
   (4)   22

17.

51	63	29
26	14	48
5	8	?
410	680	588

   (1)   9
   (2)   6
   (3)   5
   (4)   7

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18.

1	2	3
4	5	6
7	8	9
27	38	?

(1) 49
(2) 50
(3) 51
(4) 52

19.

28	60	48
5	6	7
14	39	27
7	?	16

(1) 23
(2) 24
(3) 27
(4) 18

20.

3	5	7
4	9	8
2	3	?
5	11	10

(1) 4
(2) 6
(3) 3
(4) 5

Directions :

Questions 21 to 30 : In these Questions, first two given words are related in some way. The same relation exists in between third and fourth word. Find out that word among the given alternatives and indicate your correct alternative.

21. Boy : Man :: Girl : ?
(1) Mother
(2) Father
(3) Woman
(4) Wife

22. Hand : Gloves :: Foot : ?
(1) Pant
(2) Nail
(3) Socks
(4) Thumb

23. $\dfrac{A}{Z} : 25 :: \dfrac{C}{T} : ?$
(1) 17
(2) 18
(3) 20
(4) 21

24. $\square : M :: \triangle : ?$

(1) W

(2) $\checkmark$

(3) $\triangledown$

(4) N

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25. ABE : BCF :: MPU : ?

   (1) NQV

   (2) PQW

   (3) NQW

   (4) PWQ

26.
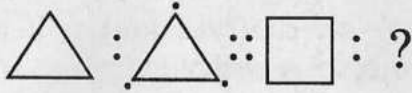
   (1)

   (2)

   (3)

   (4)

27. PQR : ONM :: DEF : ?

   (1) BAC

   (2) CBA

   (3) CAB

   (4) BCA

28. Pond : Water :: Library : ?

   (1) Paper

   (2) Almirah

   (3) Book

   (4) Chair

29. $\frac{2}{3} : 8 :: \frac{4}{2} : ?$

   (1) 12

   (2) 64

   (3) 8

   (4) 16

30. DG : 47 :: BI : ?

   (1) 18

   (2) 28

   (3) 29

   (4) 19

Directions :

Questions 31 to 35 : These Questions are based on simple arithmetic principles. Find the right answer from among the alternatives and indicate it as per the instructions.

31. $159 \div \ldots\ldots = 15900$

   (1) 10.0

   (2) 1.0

   (3) 0.001

   (4) 0.01

32. $(65 \div 100) \times 7$

   (1) 4.55

   (2) 4.05

   (3) 4.5

   (4) 4.65

33. $\dfrac{40 + (6 \times 0.04)}{8}$

   (1) 0.503

   (2) 5.3

   (3) 5.003

   (4) 5.03

34. $\dfrac{5x+215}{3} = 4x+60$, then $x = ?$

    (1) 3

    (2) 4

    (3) 5

    (4) 2

35. If $64 \times 27 \times 25 = 2^a \times 3^b \times 5^c$, then $a + b + c = ?$

    (1) 11

    (2) 10

    (3) 8

    (4) 7

Directions :

Questions 36 to 40 : Questions are based on letter series. In each Question, some letters are missing shown by '–'. The missing letters are given in proper sequence as one of the four alternatives given below each Question. Find out the correct alternative.

36. – bc – db – cc db – c – d

    (1) cbdcd

    (2) bbcdc

    (3) bcbbc

    (4) cbdcb

37. r – t – – – t – r u t v

    (1) vrutv

    (2) uvruv

    (3) vrutu

    (4) rtvur

38. bc – ebc – e – cde – – de

    (1) cdbcd

    (2) dcbcb

    (3) ecbdc

    (4) ddddc

39. – cc – d – ch – c – h

    (1) dhcdc

    (2) chdhc

    (3) dchdc

    (4) chdhc

40. e – o – – – o o e n – o

    (1) enoen

    (2) nneon

    (3) noeno

    (4) eonen

Directions :

Questions 41 to 50 : In the following Questions, Engineers are depicted in *rectangle*, Doctors in *triangle*, Farmers in *square* and Leaders in *circle*. Therefore have a look on the following figure and indicate your correct alternative.
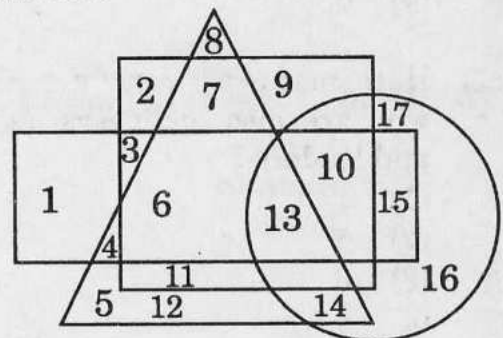
41. How many people are only farmers ?

    (1) 0

    (2) 1

    (3) 2

    (4) 3

42. How many engineers are farmers but not the doctors and leaders ?
    (1)   0
    (2)   1
    (3)   2
    (4)   3

43. How many leaders are there, who are also farmers, doctors and engineers ?
    (1)   5
    (2)   4
    (3)   3
    (4)   2

44. Over all how many doctors are there ?
    (1)   6
    (2)   7
    (3)   8
    (4)   9

45. How many engineers are leaders but not the farmers and doctors ?
    (1)   1
    (2)   3
    (3)   5
    (4)   6

46. How many farmers are there, who are also engineers, doctors and leaders ?
    (1)   1
    (2)   5
    (3)   6
    (4)   4

47. How many engineers are also doctors ?
    (1)   1
    (2)   2
    (3)   3
    (4)   4

48. Over all how many leaders are there ?
    (1)   2   (2)   3
    (3)   4   (4)   6

49. Over all how many engineers are there ?
    (1)   3   (2)   4
    (3)   7   (4)   6

50. Over all how many farmers are there ?
    (1)   3   (2)   4
    (3)   6   (4)   8

Directions :
Questions 51 to 60 : Answer the following as per the given instructions in the following questions.

51. How many circles are there in the given figure ?
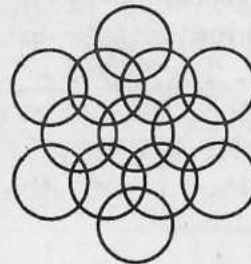
    (1)   13   (2)   16
    (3)   15   (4)   10

52. Count the cubes in the given diagram.

    (1)   58   (2)   57
    (3)   59   (4)   56

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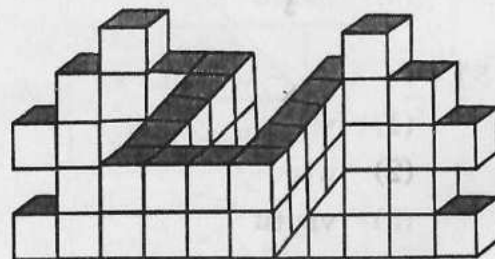
53. How many squares are there in the given figure ?
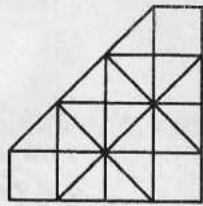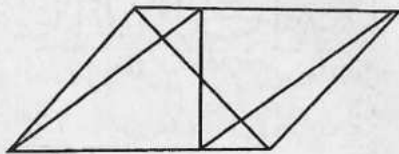
(1) 15   (2) 18
(3) 12   (4) 16

54. How many triangles are there in the given figure ?
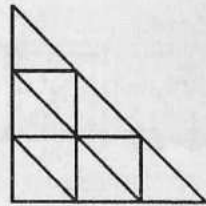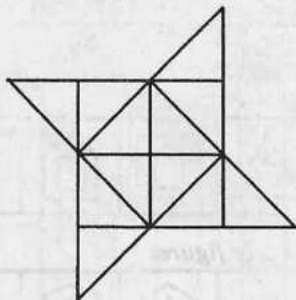
(1) 10   (2) 11
(3) 12   (4) 13

55. Count the number of triangles in the given figure.
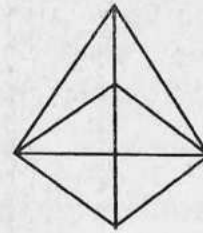
(1) 22   (2) 26
(3) 28   (4) 30

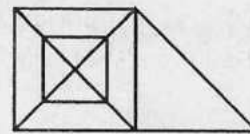**56.** How many triangles are there in the given figure ?

(1) 22   (2) 24
(3) 26   (4) 28
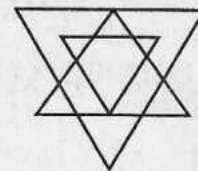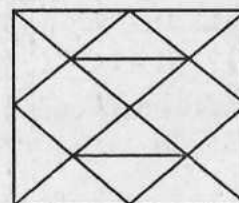
57. How many triangles are there in the given figure ?

(1) 13   (2) 16
(3) 15   (4) 17

58. How many triangles are there in the given figure ?

(1) 18   (2) 24
(3) 21   (4) 20

59. Count the number of triangles in the given figure.

(1) 21   (2) 13
(3) 25   (4) 27

60. Count the number of triangles in the given figure.

(1) 20   (2) 24
(3) 22   (4) 26

Directions :

Questions 61 to 70 : In the following alphabet series, a term is missing as shown by Question mark (?). Choose the missing term from the options.

61. eac, gce, ieg, ?
   - (1) jhi
   - (2) jgi
   - (3) kgi
   - (4) khi

62. ejo, tyd, xch, ?
   - (1) nrw
   - (2) mrw
   - (3) msx
   - (4) nsx

63. 2Z5, 7Y7, 14X9, 23W11, 34V13, ?
   - (1) 27U24
   - (2) 47U15
   - (3) 45U15
   - (4) 47V14

64. 2A11, 4D13, 12G17, ?
   - (1) 36J19
   - (2) 48J21
   - (3) 36J21
   - (4) 48J23

65. C4X, F9U, I16R, ?
   - (1) K25P
   - (2) L25P
   - (3) L25O
   - (4) L27P

66. Q1F, S2F, U6D, W21C, ?
   - (1) Y66B
   - (2) Y44B
   - (3) Y88B
   - (4) Z88B

67. A, CD, GHI, ? , UVWXY
   - (1) LMNO
   - (2) MNO
   - (3) NOPQ
   - (4) MNOP

68. D - 4, F - 6, H - 8, J - 10, ? , ?
   - (1) K - 12, M - 13
   - (2) L - 12, M - 14
   - (3) L - 12, N - 14
   - (4) K - 12, M - 14

69. J2Z, K4X, I7V, ? , H16R, M22P
   - (1) I11T
   - (2) L11S
   - (3) L12T
   - (4) L11T

70. KM5, IP8, GS11, EV114, ?
   - (1) BX17
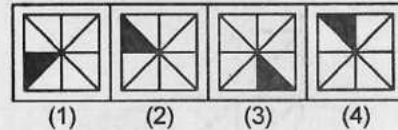   - (2) BY17
   - (3) CY18
   - (4) CY17

Directions :

Questions No. 71 to 75 : Complete the given series by choosing the appropriate answer (1, 2, 3 or 4), from the answer figures.
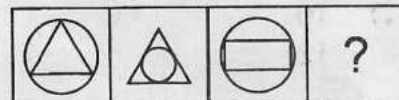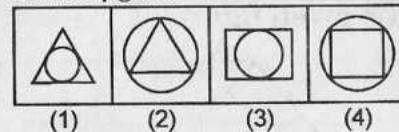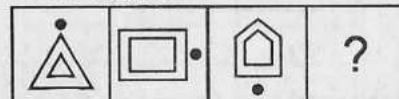
71. *Problem figures*
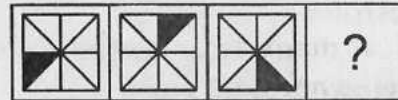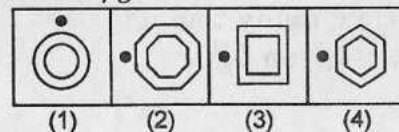

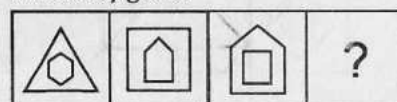*Answer figures*

72. *Problem figures*
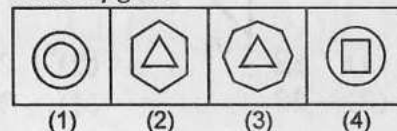

Answer figures

73. *Problem figures*
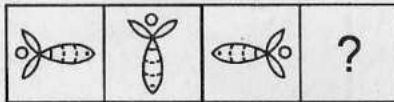

Answer figures

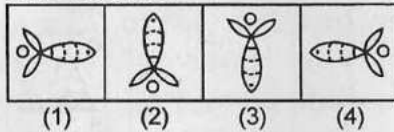74. *Problem figures*

Answer figures

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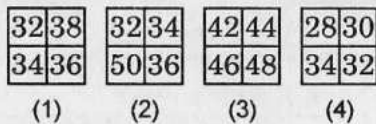**75.** *Problem figures*
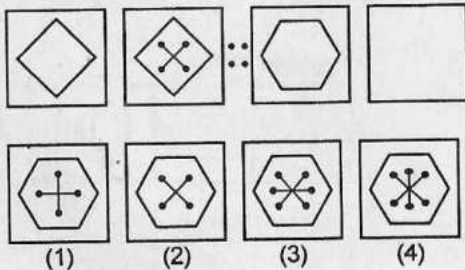

Answer figures

(1) (2) (3) (4)

Directions :

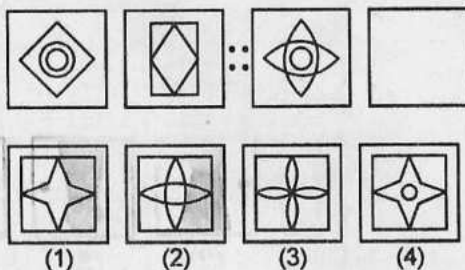**Questions No. 76 to 80 :** Which shape or pattern complete the second pair in the same way as the first pair ?

76.

| 32 38 | 32 34 | 42 44 | 28 30 |
| 34 36 | 50 36 | 46 48 | 34 32 |

(1) (2) (3) (4)

77.

(1) (2) (3) (4)

78.

(1) (2) (3) (4)

79.

(1) (2) (3) (4)

80.
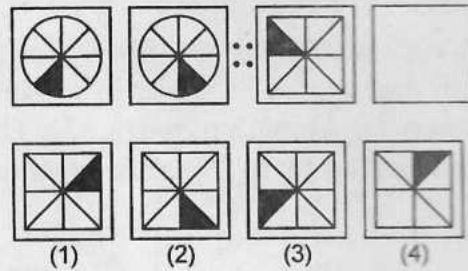
(1) (2) (3) (4)

Directions :

Questions No. 81 to 90 : In each of the following questions, choose the correct mirror images of the given figure (X) from amongst the four alternatives given alongwith it. Mirror is placed right to each figure.

81.

(X)

(1) (2) (3) (4)

82.

(X)

(1) (2) (3) (4)

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83.
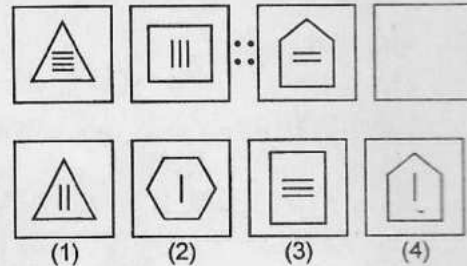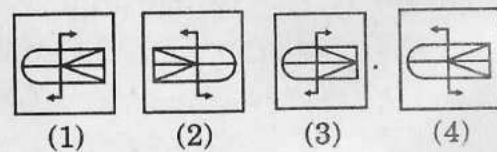

(X)

(1)   (2)   (3)   (4)

84.

(X)

(1)   (2)   (3)   (4)

85.

(X)

(1)   (2)   (3)   (4)

86.

(X)

(1)   (2)   (3)   (4)

87.

(X)

(1)   (2)   (3)   (4)

88.

(X)

(1)   (2)   (3)   (4)

89.
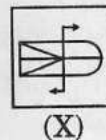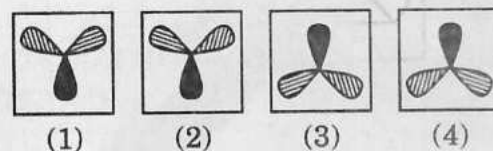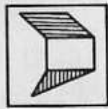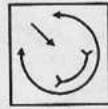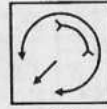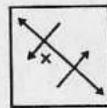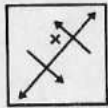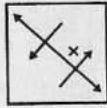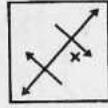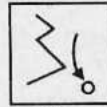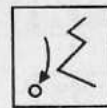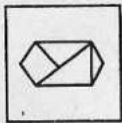
(X)
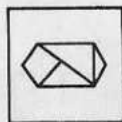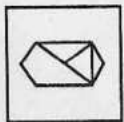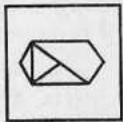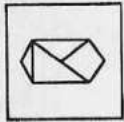
(1)   (2)   (3)   (4)

90.

(X)

(1)   (2)   (3)   (4)

PART - II

SCHOLASTIC TEST

Time : 90 Minutes

Max. Marks : 90

Note :

(i)   Subjects, Questions Sl. No. and Marks allotted :-

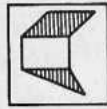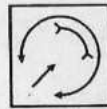|			
(1)	Physics	91 to 102 Questions	12 Marks
(2)	Chemistry	103 to 113 Questions	11 Marks
(3)	Biology	114 to 125 Questions	12 Marks
(4)	Mathematics	126 to 145 Questions	20 Marks
(5)	History	146 to 155 Questions	10 Marks
(6)	Geography	156 to 165 Questions	10 Marks
(7)	Political Science	166 to 175 Questions	10 Marks
(8)	Economics	176 to 180 Questions	05 Marks

(ii)   **SHADE** the circle having the correct alternative in the OMR Sheet provided, from amongst the ones given against the corresponding question in the Question Paper Booklet. For shading the circles, use a **HB Pencil.**

PHYSICS (Ques. 91 to 102)

91. A push or pull is called ......

(1) Friction

(2) Pressure

(3) Force

(4) None

92. If the area is less, then the value of Pressure ......

(1) less

(2) more

(3) does not change

(4) None

93. Bouncing back of light is called ......

(1) Reflection

(2) Refraction

(3) Interference

(4) None

94. Sounds pleasants to listen are called ......

(1) Music

(2) Screaming

(3) Noise

(4) Decibels

95. ...... body produces sound.

(1) Frequency

(2) Vibrating

(3) Decibels

(4) None

96. Sound can't travel in ......

(1) solid

(2) liquid

(3) gas

(4) vacuum

97. The intensity of sound of Jet engine ...... dB.

(1) 140

(2) 120

(3) 60

(4) 80

98. Which of the following letters doesn't suffer lateral inversion ?

(1) C

(2) I

(3) B

(4) G

99. If we move an object away from the plane mirror, the size of images seem to ......

    (1)   increase.

    (2)   be of the same size.

    (3)   decrease.

    (4)   image can't be seen.

100. Magnification of plane mirror is ......

    (1) -1

    (2) $+1$

    (3) $+2$

    (4) -2

101. Pin-hole camera forms .... image.

    (1)   erect

    (2)   inverted

    (3)   both

    (4)   None

102. Which among these is good conductor of electricity ?

    (1)   Plastic

    (2)   Rubber

    (3)   Diamond

    (4)   Salt solution

CHEMISTRY (Ques. 103 to 113)

103. ...... gas supports combustion.
 (1) Oxygen
 (2) Hydrogen
 (3) Chlorine
 (4) Nitrogen

104. Which one of the following material is used for making shoe polish ?
 (1) Paraffin wax
 (2) Petrol
 (3) Diesel
 (4) Lubricating oil

105. ...... is not a synthetic fibre.
 (1) Polyester
 (2) Cotton
 (3) Nylon
 (4) Acrylic

106. ...... are poor conductors of heat and electricity.
 (1) Gold
 (2) Silver
 (3) Copper
 (4) Plastics

107. Artificial silk among these is ......
 (1) Nylon
 (2) Acrylic
 (3) Rayon
 (4) Silk

108. ...... is found in onions and eggs.
 (1) Sodium
 (2) Silver
 (3) Sulphur
 (4) None

109. The non-metal added in gun powder is ......
 (1) Hydrogen
 (2) Chlorine
 (3) Sulphur
 (4) None

110. Explosion takes place in ......
 (1) lamps
 (2) lanterns
 (3) crackers
 (4) None

111. ...... get rusted when exposed to air.
 (1) Gold
 (2) Platinum
 (3) Iron
 (4) None

112. Formula for Sulphurous acid is ......
 (1) H_2SO_3
 (2) H_2SO_4
 (3) H_2SO_2
 (4) None

113. Among which does not react with air ?
 (1) Sodium
 (2) Potassium
 (3) Cesium
 (4) Gold

BIOLOGY (Ques. 114 to 125)

114. Kharif crop means ......

   (1) Crop grown in rainy season.

   (2) Crop grown from October to January month.

   (3) Crop grown from October to April month.

   (4) Crop grown in winter season.

115. Identify the INCORRECT food chain from the following.

   (1) Grass → Grasshopper → Frog → Snake.

   (2) Seeds → Rat → Snake → Peacock.

   (3) Grass → Rabbit → Human being.

   (4) Seeds → Rat → Squirrel → Fox.

116. Mangroves are the forests that grow in ......

   (1) where the river meets a dyke.

   (2) middle of the oceans.

   (3) oasis of the deserts.

   (4) backwaters of low depth areas of seashore.

117. Identify the hormone which causes secondary sexual characters in male.

   (1) Estrogen

   (2) Testosterone

   (3) Luteinizing hormone

   (4) Adrenaline

118. Identify the CORRECT sentence regarding micro-organisms.

   (1) Micro-organisms cannot survive in ice cold climate and in hot springs.

   (2) Some micro-organisms grow on other organisms as parasites.

   (3) Virus cannot survive inside the bodies of animals and plants.

   (4) Micro-organisms cannot exist independently.

119. Which gives strength and rigidity to plants ?

   (1) Cytoplasm

   (2) Cell membrane

   (3) Cell wall

   (4) Nucleus

120. Identify the INCORRECT pair from the following.

    (1)   Tuberculosis - MMR vaccine.

    (2)   Chicken Pox - Varicella vaccine.

    (3)   Diphtheria - D.P.T.

    (4)   Hepatitis 'B' - Pentavalent.

121. Identify the chemical used in the experiment "observing bacteria in butter milk".

    (1)   Safranin

    (2)   Crystal violet

    (3)   Methylene blue

    (4)   Glycerine

122. Micro-organism causes Red rot of sugarcane is ......

    (1)   Virus

    (2)   Bacteria

    (3)   Fungi

    (4)   Algae

123. Identify the CORRECT sequence from the options given below.

    (1)   Gametes → Zygote → Embryo → Foetus.

    (2)   Gametes → Zygote → Foetus → Embryo.

    (3)   Zygote → Gametes → Foetus → Embryo.

    (4)   Embryo → Gametes → Zygote → Foetus.

124. Identify the following picture.

    (1)   Chlamydomonas

    (2)   Nerve cell

    (3)   Hydra

    (4)   Sperm

125. Which of the following is similar to fish ?

    (1)   Froglet

    (2)   Tadpole larva

    (3)   Tail frog

    (4)   Frog

MATHEMATICS (Ques. 126 to 145)

126. If $3^a = 4, 4^b = 5, 5^c = 6,$

$6^d = 7, 7^e = 8, 8^f = 9,$

then find the value of $abcdef$.

(1) 5

(2) 2

(3) 4

(4) 8

127. If $x + \dfrac{1}{y + \frac{1}{z}} = \dfrac{37}{7}$, then the value

of $x + y - z$ is ......

(1) 5

(2) 10

(3) 6

(4) 7

128. A printer numbers the pages of a book starting with 1 and uses 3189 digits in all. How many pages does the book have ?

(1) 1074

(2) 2889

(3) 2700

(4) 1200

129. In a triangle ABC, the relation which is true for its sides is ......

(1) AB + BC > AC

(2) AB + BC < AC

(3) AB = BC = AC

(4) AB = BC + AC

130. Simplify

$63 - [25 - \{6 \div 3 \text{ of } (7 + \overline{8 - 13})\}]$.

(1) 39

(2) 46

(3) 28

(4) 42

131. Subtract $2\dfrac{8}{15}$ from $3\dfrac{7}{10}$.

(1) $2\dfrac{3}{5}$

(2) $1\dfrac{1}{6}$

(3) $3\dfrac{4}{5}$

(4) $1\dfrac{2}{5}$

132. If $\dfrac{25}{34}$ of a number is 750, then the

number is ......

(1) 460

(2) 870

(3) 1020

(4) 1240

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133. The greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.

(1) 4

(2) 6

(3) 7

(4) 8

134. The length of the longest rope which can be used to measure exactly the lengths 7 m, 3 m 85 cm and 12 m 95 cm.

(1) 40 cm

(2) 35 cm

(3) 26 cm

(4) 37 cm

135. If 1225 plants are to be placed in a garden in such a way that each row contains as many plants as the number of rows, then the number of plants in each row.

(1) 25

(2) 45

(3) 35

(4) 55

136. The smallest number by which 720 should be multiplied to get a perfect square number.

(1) 2

(2) 5

(3) 3

(4) 7

137. The greatest number of 5 digits which is a perfect square is ......

(1) 99856

(2) 99986

(3) 99998

(4) 99999

138. The value of

$\sqrt{372.49} + \sqrt{3.7249}$ is ......

(1) 27.23

(2) 24.13

(3) 21.23

(4) 28.13

139. The value of

$$\frac{3^{-3} \times 5^{-2} \times 3^6}{25 \times 3^2 \times 5^{-5}}$$ is ......

(1) 15

(2) 25

(3) 45

(4) 75

140. In the given figure, AB ∥ CD, then the value of x is ......
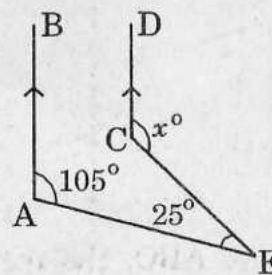
(1) 120°

(2) 130°

(3) 114°

(4) 110°

141. The value of

$\angle A + \angle B + \angle C + \angle D + \angle E$ from the given figure is ......
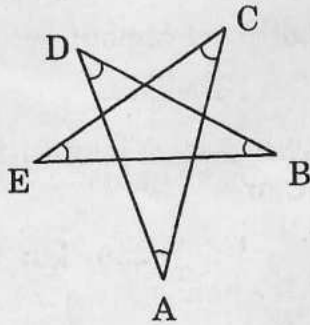
(1) 90°

(2) 270°

(3) 360°

(4) 180°

142. In the given figure, the value of x is ......
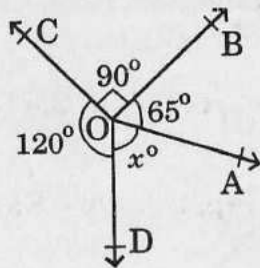
(1) 75°

(2) 95°

(3) 85°

(4) 65°

143. In the given figure, the value of $x° + y°$ is ......
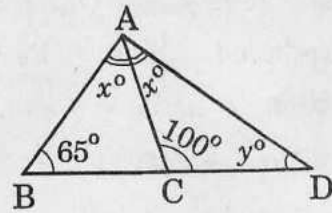
(1) 70°

(2) 80°

(3) 60°

(4) 100°

144. Using information given in the figure, the value of x is ....
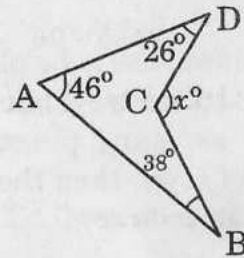
(1) 110°

(2) 90°

(3) 120°

(4) 130°

145. The perimeter of a square grassy plot is 122 m, then the cost of cutting the grass at Rs. 4 per square metre is (in Rupees) ......

(1) 3217

(2) 3172

(3) 3721

(4) 3712

HISTORY
(Ques. 146 to 155)

146. The Governor General who introduced the Permanent Settlement in 1793 was ......

(1) Thomas Munro

(2) Sir Arthur Cotton

(3) Robert Clive

(4) Cornwallis

147. The correct pair of the following is ......

(1) Swaraj is my birthright - Bal Gangadhar Tilak.

(2) Extremists - Mahatma Gandhi.

(3) Home Rule - R. C. Dutt.

(4) Moderates - Bipin Chandra Pal.

148. Hindu Mahasabha was headed by ......

(1) Mahatma Gandhi.

(2) Pandit Madan Mohan Malaviya.

(3) Lala Lajpat Rai.

(4) Surendranath Banerjee.

149. The ruler of Hyderabad who opposed the Congress-led nationalist movement was ......

(1) The III Nizam.

(2) The 2nd Nizam Bahadur Khan.

(3) The VII Nizam Mir Osman Ali Khan.

(4) The 5th Nizam.

150. The first poetic work in Telugu is ......

(1) Ramayanam.

(2) Amukta Malyada.

(3) Prataparudra Charitramu.

(4) Srimad - Andhra Mahabharatam.

151. The incorrect pair of the following is ......

(1) Ganapati Deva - Kakatiya king.

(2) Prola II - Chola ruler.

(3) Dantidurga - Rashtrakuta chief.

(4) Sri Krishna Devaraya - Vijayanagara king.

152. Study the following table which shows the names of kings of different dynasties and their ruling period.

Answer the question given below.

Sl. No	Name of the King	Dynasty	Ruling Period
1.	Prithviraja - III	Chaha-manas	1168-1192 AD
2.	Rudrama-devi	Kakatiya	1262-1289 AD
3.	Harihara-raya	Sangama	1336-1357 AD
4.	Jamshed Quli	Qutub Shahi	1543-1550 AD

The King who had ruled during the 14th century is ......

(1) Rudramadevi

(2) Prithviraja - III

(3) Harihararaya

(4) Jamshed Quli

153. The Lord Rama temple in Bhadrachalam was constructed by ......

(1) Ramadasu

(2) Tanishah

(3) Annamayya

(4) Kshetrayya

154. The author of 'Akbar Nama' is ......

(1) Akbar

(2) Abul Fazl

(3) Aurangzeb

(4) Jahangir

155. The Portuguese explorer, who had discovered the sea route to India in 1498 is ......

(1) Columbus

(2) Dupleix

(3) James Cook

(4) Vasco da Gama

GEOGRAPHY (Ques. 156 to 165)

156. The state which has no sea coast is .....

(1) Kerala

(2) Gujarat

(3) Telangana

(4) Tamilnadu

157. Evaporation means ......

(1) Clouds giving rain.

(2) Rivers merging with sea.

(3) The amount of water present in the atmosphere.

(4) Change of water into vapours.

158. Study the following table and answer the question given below.

Rainfall in Sircilla town

Year	Rainfall in M.M.	Year	Rainfall in M.M.
1996	933	2001	763
1997	695	2002	605
1998	926	2003	819
1999	823	2004	619
2000	895	2005	891

During which two years did Sircilla get high rainfall ?

(1) 1995 & 1999.

(2) 1996 & 1998.

(3) 2003 & 2006.

(4) 2002 & 2004.

159. The River Godavari starts from ....

(1) Western Ghats.

(2) Eastern Ghats.

(3) Himalayas.

(4) Vindhya mountains.

160. Which of the following statements is not TRUE ?

(1) During cyclones do not venture outside.

(2) Government is not responsible for providing long term security to the people.

(3) India is frequently faced with cyclones from the Bay of Bengal.

(4) During floods, we should drink boiled water.

161. Lake Victoria is located in ......

(1) Asia

(2) Europe

(3) India

(4) Africa

162. The symbol used in a map to represent a ......

    (1) Church

    (2) Chhatri

    (3) Temple

    (4) Mosque

163. Study the table and answer the question given below.

    (Average monthly temperature of Hyderabad)

Month	Maximum,°C	Minimum,°C
Jan.	28	16
May	39	26
Aug.	30	22
Dec.	28	15

Which two months have recorded same maximum temperature ?

    (1) May & August.

    (2) January & December.

    (3) January & August.

    (4) August & December.

164. Which of the following is not a factor that effects the seasons ?

    (1) The spherical shape of the Earth.

    (2) The tilt of the axis of rotation.

    (3) The revolution of the Earth around the Sun.

    (4) The revolution of the Moon around the Earth.

165. In the 'Tundra region', it is almost dark during the month of ......

    (1) December

    (2) February

    (3) April

    (4) October

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POLITICAL SCIENCE (Ques. 166 to 175)

166. "On the 26th of January 1950, we are going to enter life of contradictions. In politics, we will have equality and in social and economic life, we will have inequality", who said these words.

(1) Dr B.R. Ambedkar

(2) Mahatma Gandhi

(3) Sardar Vallabhbhai Patel

(4) Motilal Nehru

167. Making education policy comes under this list.

(1) Central list.

(2) State list.

(3) Concurrent list.

(4) None of the above.

168. Find out the correct one about civil law.

(1) Theft

(2) Divorce

(3) Taking dowry

(4) Murder

169. Which of the following statement is TRUE ?

(1) Lok Sabha exercises more powers in money matters.

(2) The Rajya Sabha controls the Council of ministers.

(3) Any ordinary law needs to be passed by Rajya Sabha only.

(4) Members of both houses of the Parliament elect the President.

170. The following word is NOT there in the preamble when the Indian Constitution adopted on 26th November, 1949.

(1) Sovereign

(2) Democratic

(3) Fraternity

(4) Secular

171. Nizam honoured the following person with the title of Khusro-e-Deccan for his works on abolition of the Devadasi System and bringing unity amongst the dalits.

(1) Bathula Venkat Rao

(2) Dr B.R.Ambedkar

(3) Om Prakash Valmiki

(4) Bhagya Reddy Varma

172. Find out the incorrect statement of the following is / are ......

    (1) Legislative Assembly is the most important body for making laws in a state.

    (2) State Assembly members are elected by the local body representatives.

    (3) The normal tenure of the Legislative Assembly of every state is for five years.

    (4) The State Legislature must meet at least twice a year.

173. Which of the following statement is not true about WALTA Act, 2002 ?

    (1) Permission from Mandal Revenue Officer is essential to drill / dig new wells.

    (2) Steps to prevent wastage of rainwater.

    (3) Ground Water Department can give permission for felling trees.

    (4) Protection of drinking water.

174. The Nizam appointed Salarjung as Diwan. What is the meaning of Diwan in Hyderabad State administration ?

    (1) Prime minister

    (2) Finance minister

    (3) Defence minister

    (4) Education minister

175. The following members are nominated to State Legislative Assembly of Telangana.

    (1) 2

    (2) 12

    (3) 1

    (4) 6

ECONOMICS
(Ques. 176 to 180)

176. The roads built connecting cities of different state are ......

(1) National highways.

(2) State highways.

(3) District roads.

(4) Village roads.

177. The correct pair of the following is ......

(1) Basket - Silk yarn.

(2) Sarees - Date palm spines.

(3) Workers - Wages.

(4) Sirpur Kagaznagar - Iron industry.

178. Which of the following is not related to the Banking system ?

(1) Cheque.

(2) Savings Account.

(3) Demand Draft.

(4) EVM.

179. The incorrect statement of the following is ......

(1) Due to lack of support from people and government, handloom weavers are moving to other occupations.

(2) Compared to mills, powerlooms pay a very hig salary.

(3) Change in Technology makes Communication faster.

(4) If public gets 'Health insurance', they may get qualitative health services.

180. Which of the following is not a reason for the decrease of forests ?

(1) Felling of trees.

(2) Encroachment of forest lands.

(3) Massive plantation.

(4) Mining.