

MENTAL ABILITY TEST

NTSE STAGE 1(2016 - 17)

(For Students of Class X)

Time Allowed : 45 Min.

Maximum Marks : 50

Direction: From question 1 to 6 each question has four Terms. Three terms are alike in some way. one term is different from three others. Find out the correct term which is different from three others and write its alternative number on your answer sheet against the proper question number-

1. (1) G I L P (2) D F J O (3) B D J K (4) E G J N

1. 3

2. (1) Iron (2) Copper (3) Brass (4) Bronze

2. 3

3. (1) 512 (2) 343 (3) 125 (4) 729

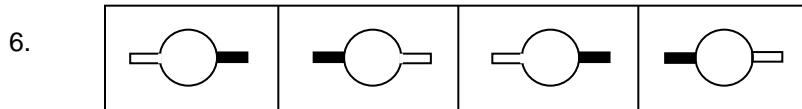
3. 1

4. (1) I J M R (2) C D G L (3) G H L R (4) E F I N

4. 3



5. 2



6. 4

7. CHJN : AEHK :: ELIP : ?

(1) CFJM (2) CGJN (3) BFKM (4) BHLO

7. 1

8. GCAE : 4 :: JEBH : ?

(1) 6 (2) 7 (3) 5 (4) 8

8. 3

9. 4096 : 8 :: 1296 : ?

(1) 7 (2) 9 (3) 11 (4) 6

9. 2

10. Drop : Ocean :: Constellation : ?

- (1) Shine (2) Sky (3) Light (4) Star

10. 2

11. 6 : 12 :: 9 : ?

- (1) 39 (2) 36 (3) 27 (4) 33

11. 3

Direction:- Question from 12 to 17 are based on number/figure series. In each series missing term is mentioned by question mark (?). Find out the missing term in given alternatives and write its alternative number against the correct question number on your answer sheet-

12. 16, 19, 28, 43, 64, ?

- (1) 91 (2) 86 (3) 97 (4) 76

12. 1

13. 63, 58, 51, 40, 27, ?

- (1) 8 (2) 12 (3) 10 (4) 14

13. 3

14. 7, 25, 61, 121, ?

- (1) 230 (2) 216 (3) 208 (4) 211

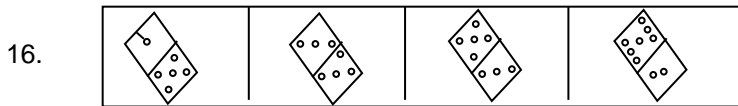
14. 4

15. 3, 4, 8, 17, 33, 58, ?

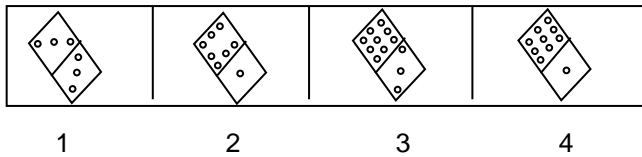
- (1) 76 (2) 94 (3) 84 (4) 98

15. 2

Question Figures

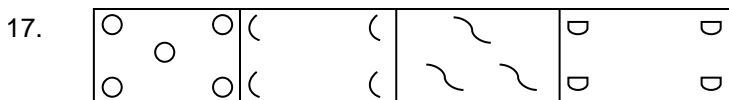


Answer Figures

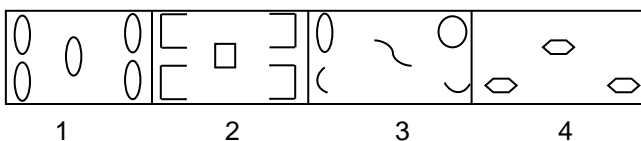


16. 4

Question Figures



Answer Figures



17. 4

Direction:- Question 18 to 21 the letters in column I are coded in the form of numbers. Which are written in column II, but the order of numbers is different. Read carefully code of letters. Find out correct answer

in given alternative and write its alternative number against the corresponding question number on your answer sheet-

Column-I

C J L
E J P
P C K
K N D
N E V

Column-II

359
092
304
478
721

18. What will be code of K N P –
(1) 870 (2) 327 (3) 951 (4) 470
18. 4
19. What will be code of C J E –
(1) 123 (2) 392 (3) 724 (4) 803
19. 2
20. What will be code of L J K –
(1) 270 (2) 903 (3) 594 (4) 741
20. 3
21. What will be code of P V D –
(1) 018 (2) 372 (3) 209 (4) 743
21. 1
22. If in certain code language E J N P is written as C G J K. What will be code of C H L R in same language-
(1) A D H N (2) B E J M (3) E J I O (4) A E H M
22. 4
23. If in certain code language G L R T is written as 14. What will be code of C H N S in same language.
(1) 13 (2) 11 (3) 17 (4) 19

3

Direction:- Question 24 to 28 are based on definite series, In given question some symbols are missing shown by (-). The missing symbols are given in proper sequence as one of the four alternatives given under each question. Find out the correct alternative and write number on the answer sheet against the question number-

24. - C P - D - P - D C - I
(1) D I C I P (2) E I C P D (3) I D P C D (4) P C I D C
24. 1
25. - - J - V - J W - U - -
(1) W U V U V U J (2) V W U V W U J (3) V U W U V J W (4) J V U V J V J
25. 3
26. - - J - F - J M - S J
(1) S F M S F S (2) F S M S F M (3) M F S S F M (4) F M S M S F
26. 2
27. - - K - E - K X - P - X

- (1) PEXEPK (2) PKEXEK (3) KEPEXK (4) EPXPEK

27. 4

28. -FS-G-S-GF-L

- (1) GLFLS (2) LGFLS (3) SGLFL (4) FLGSF

28. 1

Direction:- Question no. 29 to 31 are based on the information given below. Read the information carefully, and find out the correct answer from the four alternative and write its alternative number on your answer sheet against the proper question number-

For being graduate Dinesh opted Sanskrit, Science and Hindi, Ganesh opted English, Mathematics and Hindi, Umesh opted English Science and Hindi. Nita opted Sanskrit Science and Hindi. While Gita opted English, Sanskrit and Hindi. Then answer the following question.

29. Which subject opted by the most students-

- (1) Sanskrit (2) Science (3) Hindi (4) English

29. 3

30. Which subject opted by the least student-

- (1) Science (2) Mathematics (3) English (4) Sanskrit

30. 2

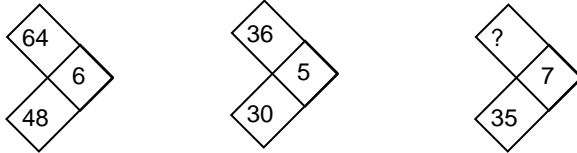
31. How many student opted sanskrit subject-

- (1) 2 (2) 4 (3) 5 (4) 3

31. 4

Direction:- In Question 32 to 36 number are placed in figure on the basis of some rules. One place is vacant which is indicated as (?). Find out the correct alternative for the vacant place and write its number against the proper question number on your answersheet-

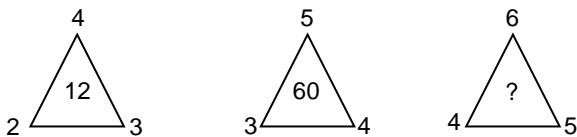
32.



- (1) 36 (2) 25 (3) 49 (4) 18

32. 2

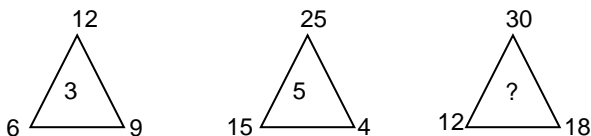
33.



- (1) 72 (2) 48 (3) 15 (4) 60

33. 1

34.



- (1) 8 (2) 2 (3) 6 (4) 15

34. 3

35. $\begin{matrix} 6 \\ 8 \text{ } \bigcirc \text{ } 4 \\ 14 \\ 3 \end{matrix}$ $\begin{matrix} 6 \\ 9 \text{ } \bigcirc \text{ } 7 \\ 15 \\ 8 \end{matrix}$ $\begin{matrix} 5 \\ 7 \text{ } \bigcirc \text{ } 6 \\ ? \\ 7 \end{matrix}$

- (1) 7 (2) 9 (3) 11 (4) 13

35. 1

36. $\begin{matrix} 6 \\ 2 \text{ } \bigcirc \text{ } 3 \\ 74 \\ 5 \end{matrix}$ $\begin{matrix} 3 \\ 4 \text{ } \bigcirc \text{ } 6 \\ 125 \\ 8 \end{matrix}$ $\begin{matrix} 7 \\ 4 \text{ } \bigcirc \text{ } 1 \\ ? \\ 5 \end{matrix}$

- (1) 94 (2) 91 (3) 86 (4) 90

36. 2

Direction:- The following question from 37 to 41 are based on the information given below. Read the information carefully and find out the correct answer from the four alternative and write its alternative number on your answer sheet against the proper question number. There are six person P,Q,R,X,Y and Z, R is the sister of Z, Q is the brother of y's husband, X is the father of P and grand father of Z. There are two fathers, three brothers and a mother in the group-

37. Who is y's husband-

- (1) Q (2) P (3) X (4) Z

37. 2

38. Who is the mother-

- (1) X (2) Q (3) P (4) Y

38. 4

39. How many male members are there in the group-

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

39. 3

40. Which of the following is group of brothers-

- (1) P Q X (2) P Q Z (3) Q Z R (4) Q X Z

40. 2

41. How is Z related to Y –

- (1) Son (2) Uncle (3) Daughter (4) Husband

41. 1

Direction:- In question 42 to 45 the questions have become wrong because of the wrong order of signs. Choose the correct order of signs from the four options given below so as to make the equations right. Write the alternative number of the correct option on the answer sheet against the corresponding question number-

42. $16 = 8 + 2 \times \div 7$

- (1) $\times \div + =$ (2) $\div \times + =$ (3) $\times + \div =$ (4) $\div + = \times$

42. 2

43. $12 - 6 = 2 + 3 \div 1$

(1) $+ - \div =$ (2) $- + \div =$ (3) $\div + - =$ (4) $+ \div - =$

43. 3

44. $2 + 4 - 6 \times 4 = 10$

(1) $\times + - =$ (2) $- \times = +$ (3) $= - \times +$ (4) $- = + \times$

44. 1

45. $15 = 5 + 2 \times 1 \div 7$

(1) $\times \div + =$ (2) $+ \times \div =$ (3) $+ \div = \times$ (4) $\div \times + =$

45. 4

46. Two person are sitting back to back. If the first person face is towards north. In which direction will be right hand of the second person-

(1) South (2) East (3) West (4) North

46. 3

47. Two person are working facing one-another if the face of the first person is towards the west. In which direction will be the right hand of the second person-

(1) South (2) East (3) North (4) West

47. 1

Direction:- Read the following statement carefully and answer the question no 48 and 49. Write the correct alternative number on your answer sheet-

Ramu, Ganesh, Satish, Umesh and Ramesh are five brothers, Ganesh is 6 year younger to Ramu and 5 years to Ramesh, Ramu was born in 1985, Ramu is 4 year younger to Satish and 3 year elder to Umesh.

48. Who is eldest among five brothers-

(1) Ramesh (2) Satish (3) Ganesh (4) Umesh

48. 2

49. Who is youngest among five brothers-

(1) Ramesh (2) Umesh (3) Ganesh (4) Ramu

49. 3

50. A person earn two rupees on the first day. If he earns double every next day. What will be his earning at the 11th day-

(1) 1976 (2) 2056 (3) 1850 (4) 2048

50. 4

SCHOLASTIC APTITUDE TEST

NTSE STAGE 1(2016 - 17)

(For Students of Class X)

LANGUAGE TEST

Time allowed: 45 Min.

Maximum Marks: 50

ENGLISH

Directions (51 - 56): Read the following passage and answer the question that follow-

Tea is an evergreen shrub. The word 'evergreen' means that old leaves remain on the shrub, while new ones come out. There is no drying or falling of leaves as in the case of other trees and plants. In a wild state the plant grows to an enormous height ranging from twenty five to thirty feet. But under cultivation it is not allowed to grow higher than four or five feet. The growth upward is checked by pruning while this operation serves to increase the growth of leaves below. The leaves of plant are one to two inches in length. Their colour is green and shape is oval.

The tea plant grows best of all, in places where there is plenty of rain as well as sunshine. The cultivation was perhaps first made in China and hence, it is the real home of the plant. Now, however, it is abundantly grown in Japan, Sri Lanka, Assam and Darjeeling in India. Tea does not grow in cold countries. Hence, there are no tea plantations in Europe, though it is a favorite beverage there.

51. The word evergreen is
(1) Noun (2) Verb (3) Adverb (4) Adjective
51. 4
52. What is the opposite of the word enormous -
(1) huge (2) giant (3) tiny (4) grand
52. 3
53. At first tea is grown in
(1) India (2) China (3) Sri Lanka (4) Japan
53. 2
54. Operation serves to increase the growth of the plant below is called
(1) Cutting (2) Trimming (3) Pruning (4) Sowing
54. 3
55. How high can a tea - plant grow in natural conditions
(1) up to thirty feet (2) up to fifty feet (3) up to four feet (4) up to five feet
55. 4
56. The tea plant grows in places where there is plenty of
(1) rain (2) sunshine
(3) rain as well as sunshine (4) cold
56. 3

Direction: (for question nos. 57 - 58): The following five sentences come from a paragraph. The first and last sentences are given; choose the order in which the three sentences (PQR) should appear to complete the paragraph.

57. S1. Thomas Alva Edison was born in America.
 S2. _____
 S3. _____
 S4. _____
 S5. In 1929 the golden jubilee of the invention of the electric bulb was celebrated in a grand manner. The President of the U.S.A. received him and honoured him.
 P. On 4th September, 1882 for the first time New York shone in the brightness of electric light.
 Q. He succeeded in making an electric bulb in 1879 after nearly one thousand and two hundred experiments.
 R. On New year's Day, 1880 he and his workers put up electric light at his laboratory.
 Choose from the options below
 (1) PQR (2) QRP (3) RQP (4) PRQ

57. 2

58. S1. Father where are you going, shyam?
 S2. _____
 S3. _____
 S4. _____
 S5. Father when will you be back from Rahul's house?
 P. Shyam - Yes, Dad I have.
 Q. Father - Have you finished your work.
 R. Shyam - I am going to Rahul's houses, Dad.
 Choose from the options below
 (1) PQR (2) QRP (3) PRQ (4) RQP

58. 4

Direction: (for question nos. 59 - 60) the following question have the second sentence missing. Choose the appropriate sentence from the given option to complete it.

59. 1. A well dressed young man entered a big textile shop one evening.
 2. _____
 3. Who though him rich and likely to make heavy purchases.
 Choose from the option below
 (1) He was shown the superior variety of sarees.
 (2) Where ready-made goods were being sold
 (3) He was able to draw attention of the salesman.
 (4) But after casually examining them.

59. 3

60. 1. I am sure that he has recovered from his illness -
 2. _____
 3. us to the picnic spot.
 Choose from the options below
 (1) and that he will be accompanied
 (2) and that he will accompany
 (3) but he will accompany
 (4) although he will accompany

60. 2

Directions (61 - 70): Read the passage and fill in the blanks with suitable options given below

We arrived 61 Delhi 62 9 pm. sharp to catch the train 63 Bhopal. The first thing we learnt 64 our arrival was that our train was late only 65 two hours! We were carrying 66 our own two small suitcases, a laptop and a heavy carton full 67 printed material to be distributed 68 the workshop. The coolie deposited us 69 the first class waiting room and promised to come 70 the arrival of the train.

61. (1) on (2) at (3) in (4) to

61. 2

62. (1) at (2) by (3) on (4) to
62. 1
63. (1) from (2) for (3) on (4) to
63. 4
64. (1) by (2) on (3) with (4) at
64. 4
65. (1) by (2) with (3) for (4) since
65. 1
66. (1) beside (2) besides (3) with (4) on
66. 2
67. (1) on (2) off (3) in (4) of
67. 4
68. (1) in (2) at (3) on (4) for
68. 2
69. (1) in (2) under (3) outside (4) inside
69. 1
70. (1) after (2) before (3) on (4) by
70. 2

Directions (71 - 75): Choose the most appropriate word which fills the blanks from the four options given below

71. Soft minded individuals are _____ to embrace all kinds of superstitions.
(1) eager (2) reluctant (3) prone (4) disposed
71. 3
72. A light breeze _____ the forest fire and made it more dangerous.
(1) lit (2) fanned (3) ignited (4) blew
72. 2
73. The city of Delhi was _____ by thousands of multi-coloured lights at night on independence day.
(1) decorated (2) garnished (3) illuminated (4) brightened
73. 3
74. The doctor _____ the young man to give up smoking.
(1) ordered (2) advised (3) allowed (4) suggested
74. 2
75. The accused _____ to the judge for mercy.
(1) applied (2) asked (3) demanded (4) appealed
-

75. 4

Directions (76 - 79): Select the word means the opposite of the given word

76. Modest
(1) simple (2) timid (3) arrogant (4) civilized

76. 3

77. Tremendous
(1) minute (2) massive (3) mega (4) mighty

77. 1

78. Urban
(1) villager (2) local (3) refined (4) rural

78. 4

79. Transparent
(1) opaque (2) coloured (3) childlike (4) imminent

79. 1

Directions (80 - 89): In the following passage there are some numbered blanks, Fill in the blanks by selecting the most appropriate word from the options given below

Books are by far the 80 lasting product of 81 efforts. Temple crumbled into ruin, statues decay, but books 82. Time does not destroy the 83 thoughts which are as fresh today as 84 they first passed through the 85 mind. Books introduce us into the best society. A man with money and 86 books is a poor man.

Money spent on book is never 87. It is a 88 to read good books. Thus man gains both efficiency and 89.

80. (1) much (2) some (3) many (4) most

80. 4

81. (1) person (2) human (3) people (4) man

81. 2

82. (1) continue (2) survive (3) alive (4) destroy

82. 2

83. (1) great (2) better (3) best (4) pure

83. 1

84. (1) how (2) whenever (3) where (4) when

84. 4

85. (1) poet's (2) author's (3) narrator's (4) dramatist's

85. 2

86. (1) some (2) few (3) without (4) with

86. 3

87. (1) recovered (2) wasted (3) justified (4) withdrawn
87. 2
88. (1) pleasure (2) addiction (3) blessing (4) obsession
88. 1
89. (1) Power (2) ability (3) wisdom (4) literary
89. 3

Directions (90 - 94): Select the most appropriate option to fill in the blanks from the given alternative.

90. It is an old machine, it may any moment.
(1) break up (2) break down (3) break out (4) break into
90. 2
91. An employment advertisement should the number of vacancies.
(1) provide (2) specify (3) contain (4) declare
91. 2
92. The next plane for London will at 5 O'clock in the evening.
(1) take off (2) take in (3) take after (4) take down
92. 1
93. When you reach Mussoorie, it snowing there.
(1) was (2) is (3) shall be (4) will be
93. 4
94. While strolling on Janpath, I chanced to meet European.
(1) an (2) the (3) a (4) one
94. 3

Directions (95 - 98): Select the meaning of the given phrases/idioms

95. Blow one's own trumpet
(1) to feel happy (2) to create music
(3) to praise someone (4) to praise one self
95. 4
96. Pick holes in
(1) to cut (2) to quarrel (3) to find fault (4) to destroy
96. 3
97. A white Elephant
(1) A costly but useless thing (2) A costly but useful thing
(3) A costly thing (4) An elephant with white skin
97. 1
98. Hold up
(1) to raise (2) delay (3) distribute (4) difficulties
-

98. 2

Directions (99 - 100): Choose the correct option

99. One who looks at the bright side of things
(1) pessimist (2) feminist (3) optimist (4) fatalist

99. 3

100. A person who is unable to pay debts
(1) bachelor (2) bankrupt (3) absconder (4) atheist

100. 2

SCHOLASTIC APTITUDE TEST

NTSE STAGE 1(2016 - 17)

(For Students of Class X)

Time Allowed : (90 Minutes)

Maximum Marks : 100

101. The scientist related to law of electromagnetic induction is
(1) Einstein (2) Rutherford (3) Newton (4) Faraday
101. 4
102. The S.I. unit of temperature is
(1) Degree celcius
(2) Degree fahrenheit
(3) Kelvin
(4) None of these
102. 3
103. How many light year (ly) in one metre is
(1) $1.057 \times 10^{-16} ly$ (2) $9.46 \times 10^{15} ly$ (3) $2.26 \times 10^6 ly$ (4) $9.48 \times 10^{15} ly$
103. 1
104. Two different light sources of A and B have wave length $0.7 \mu m$ and 0.3μ respectively. Then which of the following statement is true
(1) A has greater energy than B
(2) B has greater energy than A
(3) Both has equal energy
(4) None of these
104. 2
105. Which types of radiation absorbed by CO_2 molecules in atmosphere are
(1) x-rays (2) gamma rays (3) infra-red rays (4) UV rays
105. 3
106. If n conducting wire, each of resistance 4Ω is connected in parallel, then its equivalent resistance will be
(1) $4n$ (2) $4/n$ (3) $n/4$ (4) $4n^2$
106. 2
107. The speed of sound in air and sea water are 332 m/s and 1440 m/s respectively. A ship sends a strong signal down the sea and detect its echo after. 1.5 second. The depth of the sea at that point is
(1) 2.16 km (2) 1.08 km (3) 0.51 km (4) 0.255 km
107. 2
108. Two body of mass 1 gm and 4 gm are moving with equal kinetic energies. The ratio of the magnitude of their linear momentum is
-

- (1) 4 : 1 (2) $\sqrt{2} : 1$ (3) 1 : 2 (4) 1 : 6

108. 3

109. The refractive index of water and glass with respect to air are $\frac{4}{3}$ and $\frac{3}{2}$ respectively. The refractive index of glass with respect to water will be

- (1) $\frac{17}{6}$ (2) $\frac{1}{6}$ (3) 2 (4) $\frac{9}{8}$

109. 4

110. A technician has 10 resistor each of resistance 0.1Ω . The largest and smallest resistance he can obtain by combining these resistors are

- (1) 10Ω and 1Ω respectively
 (2) 1Ω and 0.1Ω respectively
 (3) 1Ω and 0.01Ω respectively
 (4) 0.1Ω and 0.01Ω respectively

110. 3

111. The wire of heater should made of that material whose

- (1) Specific resistance more and melting point high
 (2) Specific resistance more and melting point low
 (3) Specific resistance low and melting point low
 (4) Specific resistance low and melting point high

111. 1

112. The total internal reflection of light is not possible, When light travels from

- (1) Glass to water (2) Water to glass (3) Water to air (4) Glass to air

112. 2

113. The frequency of second pendulum is

- (1) 0.5 Hz (2) 1.0 Hz (3) 2.0 Hz (4) 1.5 Hz

113. 1

114. Two bodies with kinetic energy in the ratio of 9 : 4 are moving with equal linear momentum. The ratio of their masses is

- (1) 1 : 2 (2) 1 : 1 (3) 4 : 9 (4) 3 : 2

114. 3

115. The electronic configuration of an ion M^{+2} is 2, 8, 14 if its mass number of neutrons in its nucleus is

- (1) 30 (2) 32 (3) 34 (4) 42

115. 1

116. In the presence of concentrated sulphuric acid, acetic acid react with ethyl alcohol to produce

- (1) aldehyde
 (2) alcohol
 (3) ester
 (4) carboxylic acid

116. 3

117. Which one of the following metal oxides shows both acidic and basic characters

- (1) Na_2O
 (2) K_2O
 (3) CuO
-

(4) Al_2O_3

117. 4

118. The molecular formula of potash alum is

(1) $K_2SO_4 \cdot Al_2(SO_4)_3 \cdot 24H_2O$

(2) $Ca(OCl)Cl$

(3) K_2SO_4

(4) $Al_2(SO_4)_3 \cdot 24H_2O$

118. 1

119. The concentration of hydroxide ion in a solution is 1×10^{-10} mole per litre. Its pH value will be

(1) 4

(2) 8

(3) 10

(4) - 10

119. 1

120. Which of the following gas is known as tear gas

(1) methyl isocyanide

(2) sulphur dioxide

(3) chloropicrin

(4) nitrous oxide

120. 3

121. The number of carbon atom in kerosene oil is

(1) $C_6 - C_{11}$

(2) $C_{20} - C_{30}$

(3) $C_{11} - C_{16}$

(4) $C_{18} - C_{22}$

121. 3

122. Which of the following salt does not contain the water of crystallization

(1) blue vitriol

(2) baking soda

(3) washing soda

(4) gypsum

122. 2

123. Acidic solvents are

(1) those who donate proton

(2) accept proton

(3) either can give or accept proton

(4) neither give nor accept proton

123. 1

124. The method to purify the colloidal solution is

(1) peptization

(2) coagulation

(3) dialysis

(4) breadig's arc method

124. 3

125. The dispersion of any liquid in a liquid is known as

(1) gel

(2) gum

(3) gelatin

(4) emulsion

125. 4

126. Which of the following is made by hydrolysis of starch
(1) glucose (2) fructose (3) sucrose (4) maltose
126. 1
127. Amalgam is
(1) submetal (2) alloy (3) compound (4) heterogeneous mixture
127. 2
128. The number of salivary glands in human is
(1) two pairs
(2) three pairs
(3) four pairs
(4) five pairs
128. 2
129. Wings of birds and insects are
(1) vestigial organs
(2) homologous organs
(3) analogous organs
(4) none of these
129. 3
130. Cramps in the leg muscles after running a long distance are because of
(1) build up of lactic acid
(2) build up of acetic acid
(3) build up of oxalic acid
(4) build up of pyruvic acid
130. 1
131. Translocation of food by phloem is in the form of
(1) sucrose
(2) protein
(3) hormones
(4) fat
131. 1
132. Enzyme responsible for digestion of protein is
(1) ptylin
(2) pepsin
(3) amylopsin
(4) steapsin
132. 2
133. Ethylene hormone is found in the form of
(1) gas
(2) liquid
(3) solid
(4) all of the above
133. 1
134. Calciferol is
(1) vitamin A
-

- (2) vitamin B
- (3) vitamin C
- (4) vitamin D

134. 4

135. Sodium benzoate is

- (1) tranquilizer
- (2) edible colour
- (3) preservative
- (4) antibiotic

135. 3

136. The beehive is made of

- (1) cellulose
- (2) chitin
- (3) cork
- (4) wax

136. 4

137. In which of the following blubber is found

- (1) frog
- (2) lizard
- (3) elephant
- (4) fish

137. 3

138. In leukemia

- (1) there is lack of oxygen in body
- (2) white spot made on skin
- (3) proliferation of white blood corpuscles takes place
- (4) red blood corpuscles increases

138. 3

139. Hydrophobia is due to

- (1) bacteria
- (2) virus
- (3) protozoa
- (4) fungus

139. 2

140. Silver fish is a

- (1) insect
- (2) cnidarians
- (3) crustacean
- (4) fish

140. 1

141. 'Tripitaka' texts are related with which religion

- (1) Vedic religion
- (2) Buddhism
- (3) Jainism
- (4) Shaivism

141. 2

142. The language of sangam literature was

- (1) Tamil
 - (2) Bengali
 - (3) Hindi
 - (4) Marathi
-

142. 1
143. Ashoka was the son of
(1) Chandragupta Maurya
(2) Brihadrath
(3) Bindusar
(4) Ramgupta
143. 3
144. Who was the last emperor of Mughal dynasty in India
(1) Aurangzeb
(2) Shahjahan
(3) Jahangir
(4) Bahadurshah Zafar
144. 4
145. The grave of Maharani Laxmibai is situated at
(1) Varanasi
(2) Kanpur
(3) Allahabad
(4) Gwalior
145. 4
146. Malik Kafur was trusted general of
(1) Ala-uddin Khilzi
(2) Firoz Tughlak
(3) Iltutmish
(4) Muhammad-bin-Tughlak
146. 1
147. Ibrahim Lodhi was defeated
(1) In the first battle of Panipat
(2) In the second battle of Panipat
(3) In the first battle of Talikota
(4) In the first battle of Tarain
147. 1
148. Who led the revolt of 1857 in Bihar
(1) Khan Bahadur Khan
(2) Tatiya Tope
(3) Kunwar Singh
(4) Mangal Pandey
148. 3
149. Who is famous as Deshbandhu
(1) Chandrashekhar
(2) A.O.Hume
(3) Chitranjan Das
(4) Veer Savarkar
149. 3
150. 'Satyarth Prakash' was composed by
(1) Swami Dayanand Saraswati
(2) Mahatma Gandhi
-

- (3) Swami Vivekanand
- (4) Ram Krishna Paramhans

150. 1
151. Which among the following is not correctly matched
- (1) Buland darwaja-Akbar
 - (2) Alai Darwaha - Ala-uddin- Khilzi
 - (3) Tajmahal - Shahjahan
 - (4) Red Fort - Babar
151. 4
152. Gulbadan Begum was the daughter of
- (1) Babar
 - (2) Humayun
 - (3) Akbar
 - (4) Shahjahan
152. 1
153. The Bardavli satyagriha was led by
- (1) Vitthalbhai Patel
 - (2) Sardar Ballabhbai Patel
 - (3) Mahadev Desai
 - (4) Mahadev Govind Ranade
153. 2
154. Who was the founder of Brahma Samaj
- (1) Swami Dayanand Saraswati
 - (2) Swami Vivekanand
 - (3) Raja Rammohan Roy
 - (4) Swami Ram Krishna Paramhans
154. 3
155. M.S. Swaminathan is associated with
- (1) White revolution
 - (2) Blue revolution
 - (3) Red revolution
 - (4) Green revolution
155. 4
156. Panna is famous for
- (1) Petroleum
 - (2) Diamond
 - (3) Coal
 - (4) Gold
156. 2
157. India's biggest desert is
- (1) Thar
 - (2) Sahara
 - (3) Atakama
 - (4) Gobi
157. 1
-

158. The best quality of coal is
(1) Peat
(2) Bituminus
(3) Anthrectie
(4) Lignite
158. 3
159. Rihand Valley project is located in
(1) Uttar Pradesh
(2) Bihar
(3) Rajasthan
(4) Madhya Pradesh
159. 1
160. Which of the following is not fibre crop
(1) Cotton
(2) Jute
(3) Hemp
(4) Rubber
160. 4
161. 5th June is celebrated as
(1) World Environment day
(2) World Population day
(3) Earth Day
(4) World Health day
161. 1
162. Max Muller was a famous _____ scholar
(1) Russian
(2) German
(3) Italian
(4) French
162. 2
163. Ankleshwar is situated at
(1) Gujrat
(2) Tamilnadu
(3) Kerala
(4) Punjab
163. 1
164. Which among the following is not correctly matched
(1) Heerakund - Mahanadi
(2) Bhakhranangal - Satluj
(3) Nagarjun - Krishna
(4) Matateela - Ganga
164. 4
165. The capital of Arunachal Pradesh is
(1) Agartalla
(2) Imphal
(3) Gangtok
(4) Itanagar
-

165. 4
166. Satluj, Beas, Ravi, Chenab and Jhelum are the tributaries of
(1) Indus
(2) Tapti
(3) Kaveri
(4) Krishna
166. 1
167. Kaziranga National Park is situated in
(1) Uttar Pradesh
(2) Assam
(3) Gujrat
(4) Madhya Pradesh
167. 2
168. The famous Sanchi Stupa is in
(1) Maharashtra
(2) Uttar Pradesh
(3) Madhya Pradesh
(4) Rajasthan
168. 3
169. In which state is the Pushkar Fair held
(1) Punjab
(2) Rajasthan
(3) Himachal Pradesh
(4) Uttar Pradesh
169. 2
170. Who is the present Vice-President of India
(1) Smt. Sumitra Mahajan
(2) Sri. Rajnath Singh
(3) Sri. Manoj Sinha
(4) Sri. Hamid Ansari
170. 4
171. The Chairman of the drafting committee of Indian constituent assembly was
(1) Dr. Bhimrao Ambedkar
(2) Sardar Patel
(3) Jawaharlal Nehru
(4) Dr. Rajendra Prasad
171. 1
172. The Indian Economy is
(1) Liberal Economy
(2) Socialist Economy
(3) Mixed Economy
(4) Marxsim Economy
172. 3
173. The Panchsheel agreement was signed between
(1) India and China
-

- (2) India and Bhutan
- (3) India and Nepal
- (4) None of the above

173. 1

174. Who is the Chief Commander of Indian Armu

- (1) Prime Minister
- (2) Defence Minister
- (3) President
- (4) Vice President

174. 3

175. The tenure of Lok Sabha member is

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

175. 1

176. International Insitution related to child welfare is

- (1) UNICEF
- (2) ILO
- (3) FAO
- (4) CNT

176. 1

177. The main strategy adopted in the new economic policy of 1991 was

- (1) Liberalisation
- (2) Privatisation
- (3) Globalisation
- (4) All of the above

177. 4

178. Who is the author of 'Arthashastra'

- (1) Kalidas
- (2) Valmiki
- (3) Vedvyas
- (4) Kautilya

178. 4

179. Who among the following received Nobel Prize in the field of economics

- (1) Mother Teresa
- (2) Rabindranath Tagore
- (3) Amartya Sen
- (4) C V Raman

179. 3

180. Who was the Chairman of the Committee, which proposed Democratic Decentralisation and Panchayati Raj-

- (1) K.M. Pannikar
 - (2) Balwant Rai Mehta
 - (3) Mahatma Gandhi
 - (4) H.N. Kunjru
-

180. 2
181. $\cos \theta \sqrt{\sec^2 \theta - 1}$ is equal to
 (1) $\sin \theta$ (2) $\cot \theta$ (3) $\sec \theta$ (4) 1
181. 1
182. For the maximum value of $\sin x$, value of x is
 (1) $\frac{\pi}{4}$ (2) $\frac{\pi}{2}$ (3) π (4) $\frac{3\pi}{2}$
182. 2
183. If $2x + 3y + z = 0$ then $8x^3 + 27y^3 + z^3 \div xyz$ is equal to
 (1) 0 (2) 6 (3) 18 (d) 9
183. 3
184. The sum of the roots of quadratic equation $2x + \frac{4}{x} = 9$ is
 (1) $\frac{7}{2}$ (2) $\frac{9}{2}$ (3) 3 (4) $-\frac{9}{2}$
184. 2
185. If the volume of two spheres are in the ratio is $64 : 27$ then the ratio of their surface area is
 (1) $3 : 4$ (2) $4 : 3$ (3) $9 : 16$ (4) $16 : 9$
185. 4
186. If the H.C.F. of the expression $(a^2 - 1)$ and $pa^2 - q(a+1)$ is $(a-1)$ then relation between p and q will be
 (1) $p = q$
 (2) $p = 2q$
 (3) $p = 2q + 1$
 (4) $p = q + 1$
186. 2
187. The measures of the five angles of a hexagon are equal and the sixth angle measures 100° , then the measure of each of the five angle is
 (1) 120°
 (2) 124°
 (3) 128°
 (4) 130°
187. 2
188. The value of $\frac{(0.7)^0 - (0.1)^{-1}}{\left(\frac{3}{8}\right)^{-1} \left(\frac{3}{2}\right)^3 + \left(-\frac{1}{3}\right)^{-1}}$ is
 (1) $-\frac{3}{2}$ (2) $\frac{2}{3}$ (3) 3 (4) 2
188. 1
189. If the angles of elevation of the top of a tower from two point at distances 'a' and 'b' from the foot of the tower and are in the same line, are complementary, the height of the tower is
-

- (1) ab (2) \sqrt{b} (3) \sqrt{a} (4) \sqrt{ab}

189. 4

190. If $p = x + \frac{1}{x}$ then the value of $p - \frac{1}{p}$ will be

- (1) $3x$
 (2) $\frac{3}{x}$
 (3) $\frac{x^4 + x^2 + 1}{x^3 + x}$
 (4) $\frac{x^4 + 3x^2 + 1}{x^3 + x}$

190. 3

191. If $\log_5 [\log_2 (\log_3 x)] = 0$ then the value of x is

- (1) 3 (2) 6 (3) 9 (4) 0

191. 3

192. Angle between the lines $6 + x = 0$ and $3 - y = 0$ will be

- (1) 0°
 (2) 90°
 (3) 180°
 (4) 60°

192. 2

193. If number $6, 8, 2, x - 5, 2x - 1, 15, 17, 20$ and 22 are in ascending order and its median is 14 then the value of x will be

- (1) 14 (2) 7 (3) 15 (4) 20

193. 2

194. If $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$

$A = \{3, 4, 5, 6\}$ and $B = \{1, 3, 5, 7\}$ then the value of $(A' - B')$ is

- (1) $\{2, 8\}$
 (2) $\{3, 5\}$
 (3) $\{1, 7\}$
 (4) $\{1, 2, 4, 6\}$

194. 3

195. Factors of $\frac{1}{3}c^2 - 2c - 9$ are

- (1) $\left(\frac{1}{3}c + 3\right)(c + 3)$
 (2) $\left(\frac{1}{3}c - 3\right)(c - 3)$
 (3) $\left(\frac{1}{3}c - 3\right)(c + 3)$
-

$$(4) \left(c - \frac{1}{3}\right)(3c+1)$$

195. 3

196. If Rs. 810 divided among A, B and C are in ratio $\frac{1}{4} : \frac{2}{5} : 1\frac{3}{8}$ then the share of A will be

- (1) Rs 100
- (2) Rs 160
- (3) Rs 550
- (4) Rs 200

196. 1

197. The radius of a wheel is 0.25m. The number of revolution to travel a distance of 11 km will be

- (1) 1000
- (2) 4000
- (3) 8000
- (4) 7000

197. 4

198. Sum of odd numbers between 0 and 50 is

- (1) 625
- (2) 600
- (3) 900
- (4) 1200

198. 1

199. A father is 7 times as old as his son. Two years ago, the father was 13 times as old as his son. Father's present age is

- (1) 24 years
- (2) 28 years
- (3) 30 years
- (4) 32 years

199. 2

200. The areas of three adjacent faces of a cuboid are a, b and c respectively. Twice of its volume is

- (1) $2abc \text{ m}^3$
- (2) $2\sqrt{a^2 + b^2 + c^2} \text{ m}^3$
- (3) $2\sqrt{abc} \text{ m}^3$
- (4) $6\sqrt{abc} \text{ m}^3$

200. 3
