

STATE INSTITUE OF SCIENCE EDUCATION (S.C.E.R.T), PUNJAB, MOHALI

National Talent Search Examination – 2016

State Level Test – 2016 Class – X MENTAL ABILITY AND SCHOLASTIC APTITUDE TEST

Time: 3 Hours

Max. Marks: 200

Instructions for candidates:-ੳਮੀਦਵਾਰਾਂ ਲਈ ਹਦਾਇਤਾਂ : ਇਹ ਪੀਖਿਆ ਦੋ ਭਾਗਾਂ ਵਿੱਚ ਹੈ। 1. This exam is in two parts. 2. Part-I is related to Mental Ability Test. ਪਹਿਲਾ ਭਾਗ ਮਾਨਸਿਕ ਯੋਗਤਾ ਨਾਲ ਸੰਬੰਧਤ ਹੈ। 3. Part-II relates to Scholastic Aptitude Test. It consists 3. ਦੂਜਾ ਭਾਗ ਵਿਸ਼ਿਆਂ ਦੀ ਯੋਗਤਾ ਨਾਲ ਸੰਬੰਧਤ ਹੈ। ਇਸ ਵਿੱਚ of nine subjects, details of which are given below:-ਨੇ ਵਿਸ਼ੇ ਹਨ, ਜਿਨ੍ਹਾਂ ਦਾ ਵੇਰਵਾ ਹੇਠ ਦਿੱਤਾ ਹੈi) Physics Chemistry ii) ਭੌਤਿਕ ਵਿਗਿਆਨ ii) ਰਸਾਇਣ ਵਿਗਿਆਨ i) iii) Biology Mathematics iv) iii) ਜੀਵ ਵਿਗਿਆਨ ਗਣਿਤ iv) v) History vi) Geography ਇਤਿਹਾਸ ਭਗੋਲ v) vi) vii) Civics viii) Economics vii) ਨਾਗਰਿਕ ਸ਼ਾਸਤਰ viii) ਅਰਥ ਸ਼ਾਸਤੇਰ ix) English ix) ਅੰਗ੍ਰੇਜ਼ੀ 4. Each question carries one mark. All questions are ਹਰ ਇੱਕ ਪ੍ਰਸ਼ਨ ਦਾ ਇੱਕ ਅੰਗ ਹੈ। ਸਾਰੇ ਪ੍ਰਸ਼ਨ ਜ਼ਰੂਰੀ ਹਨ। compulsory. ਤੁਹਾਨੂੰ ਇਸ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਲਈ ਉੱਤਰ ਸ਼ੀਟ ਦਿੱਤੀ ਗਈ ਹੈ। 5. You have been provided with a answer sheet (OMR) ਉੱਤਰ ਸ਼ੀਟ (ਓ ਐਮ ਆਰ) ਵਿੱਚ ਪਸ਼ਨ ਦੇ ਸਹੀ ਉੱਤਰ ਨੂੰ for this question paper. Darken the correct option of ਕਾਲੀ/ਨੀਲੀ ਸਿਆਹੀ ਨਾਲ ਭਰ ਕੇ ਦਰਸਾਓ। · each question in the answer sheet (OMR) with black/blueink. ਕੱਚਾ ਕੰਮ ਦਿੱਤੀ ਗਈ ਖਾਲੀ ਥਾਂ ਤੇ ਕਰਨਾ ਹੈ। 6. Rough work may be done on the blank space ਇਸ ਪ੍ਰਸ਼ਨ ਪੱਤਰ ਵਿੱਖ ਰਿਣਾਤਮਕ (ਨੈਗੇਟਿਵ) ਮਾਰਕਿੰਗ ਨਹੀਂ provided. ਹੈ। 7. There is no negative marking in this question paper. 8. ਉੱਤਰ ਸ਼ੀਟ (ਓ ਐਮ ਆਰ) ਉਪਰ ਵਾਸੀਟ ਫਲਿਊਡ ਦੀ ਵਰਤੋਂ 8. Do not use white fluid on OMR Answer Sheet. ਨਾ ਕੀਤੀ ਜਾਵੇ।

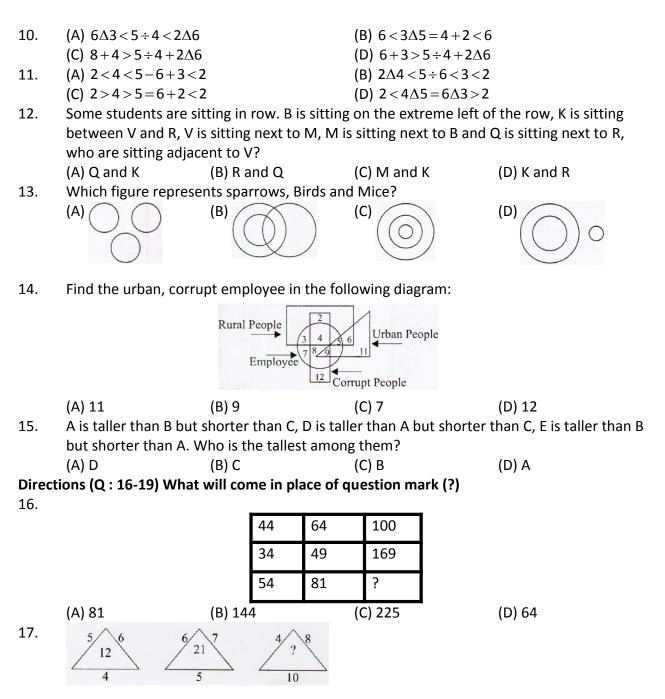
MENTAL ABILITY

Directions (Q.1-6): There is a number series following a Pattern. One place is left blank. Find the correct answer from the options.

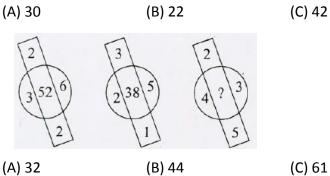
| 1. | 42, 48, 60, 66, 78 | | | |
|--------|---|--------------------------|-------------------------|----------------------------|
| | (A) 68 | (B) 93 | (C) 101 | (D) 104 |
| 2. | (A) 68 $\frac{2}{\sqrt{5}}, \frac{3}{5}, \frac{4}{5\sqrt{5}}, \frac{5}{25},$ | | | |
| | (A) $\frac{6}{5\sqrt{5}}$ | (B) $\frac{6}{125}$ | (C) $\frac{7}{25}$ | (D) $\frac{6}{25\sqrt{5}}$ |
| 3. | 15, 31, 64, 131, <u>?</u> | | | |
| | (A) 266 | (B) 256 | (C) 192 | (D) 524 |
| 4. | | guage "HEALTH" is writ | ten as GSKZDG, then h | now will "North" be |
| | written in that code? | | | |
| | (A) OPSUI | (B) GSQNM | • • | (D) IUSPO |
| 5. | | uage if 'SIR' is written | | |
| | (A) PMANP | (B) PMPAPN | (C) MANP | (D) MPANP |
| 6. | | g words according to d | ictionary arrangement | Ţ |
| | (A) Eagle | • • | | |
| | (C) Eager | | (E) Each | |
| | (1) a, e, b, d, c | | | |
| Direct | (3) b, c, e, d, a | • • • • • • | a dafinita nattarn Fir | |
| | | rs given below follow | a definite pattern. Fir | d out the missing letters |
| | nplete the pattern. | | | |
| 7. | ba _ cb _ b_ bab _ (A) ca bb | (B) ac bb | (C) bc aa | (D) ba cc |
| 8. | ab _ baa _ ab _ | | | |
| 0. | (A) baabb | (B) aabab | (С) ааааа | (D) aabaa |
| 9. | · · | on of numbers so that | | · · |
| 5. | meaningful word | | the letters arranged a | |
| | - | E R N | | |
| | | 4 5 6 | | |
| | | (B) 6, 4, 3, 5, 2, 1 | (C) 3, 5, 2, 4, 6, 1 | (D) 5, 4, 3, 2, 6, 1 |

Direction : In the question (Q.10-11) : some symbols have been given different meanings Read them Properly and answer the questions with accurate options.

 \div means > - means = = means < Δ means + < means × > means -+ means \div



18.



(C) 61

(D) 53

(D) 32

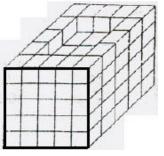
| 10 | . 7 | 0.9 | 3 | |
|-----|------------------------|---|-------------------------------------|----------------------------|
| 19. | 8 / 8 | | $\sqrt{\frac{3}{2}}$ | |
| | (424) | (204) (| ?) | |
| | .777. | \mathcal{T} | | |
| | 4 5 4 | $7 \frac{1}{8} 9 2^{\circ}$ | 3 9 | |
| | (A) 6611 | (B) 207 | (C) 193 | (D) 607 |
| 20. | | ing words cannot be m | ade from the letters gi | ven in question? |
| | DETERMINATI | - | | |
| | (A) MINT | (B) TEAM | (C) TAMED | (D) NORTH |
| | | are five persons P, O, ayer. P and S are unm | | tball player, One is chess |
| | | lays chess or football. | | |
| _ | = | of R and is neither a ch | | |
| 21. | Who is the Football | | | |
| | (A) P | (B) Q | (C) R | (D) S |
| 22. | Who is the wife of T | | | . , |
| | (A) P | (B) Q | (C) R | (D) S |
| 23. | Who is the hockey p | layer ? | | |
| | (A) P | (B) Q | (C) R | (D) S |
| 24. | - | - | | n and walked a distance |
| | | n took a left turn and w | alked a distance of 6 n | netres. How far is he |
| | from the starting po | | $\langle C \rangle$ 4.0 and $z = 1$ | |
| 25 | (A) 15 metres | (B) 21 metres | (C) 18 metres | (D) 14 metres |
| 25. | | wards east. Then turns | | re is he from the starting |
| | point and in which d | | | te is he from the starting |
| | (A) 20 metres due no | | (B) 10 metres due no | orth |
| | (C) 10 metres due so | | (D) 15 metres due no | |
| 26. | Pointing to a man in | the photograph, a wor | men says, "He is the sc | on of my sister's mother's |
| | husband." How is th | e man related to the w | voman? | |
| | (A) Father | (B) Grand Father | (C) Uncle | (D) Brother |
| 27. | Which colour will co | me at the opposite of | red colour? | |
| | | yellow | yellow | |
| | | | | |
| | | white red | blackwhite | |
| | (A) Blue | (B) Black | (C) White | (D) Yellow |
| 28. | . , | come at the bottom of | · · | |
| | (A) 3 | (B)4 | (C) 6 | (D) 1 |
| 29. | Which of the followi | ng will come in place o | f the question mark (? |) in the following |
| | sequence? | | | |
| | 6 C 7, 8 F 10, 11 J 14 | | | /- > |
| | (A) 25 U 20 | (B)20 U 25 | (C) 20 U 24 | (D) 19 U 25 |

| 30. | ADG, GJM, MPS, ? | | | |
|---|----------------------|--------------------------|-------------------------|--------------------------|
| | (A) SVW | (B) SVY | (C) SUW | (D) SWY |
| 31. | A person is to climb | up a tree 60 feet high, | in every second, he cli | imbs 5 feet, but slips 4 |
| | feet, after how man | y seconds, he will be al | ble to touch the top of | the tree. |
| | (A) 60 | (B) 59 | (C) 58 | (D) 56 |
| Directions (Q.32-34): questions are based on the sum of multiplication. Solve it and answer the | | | | |

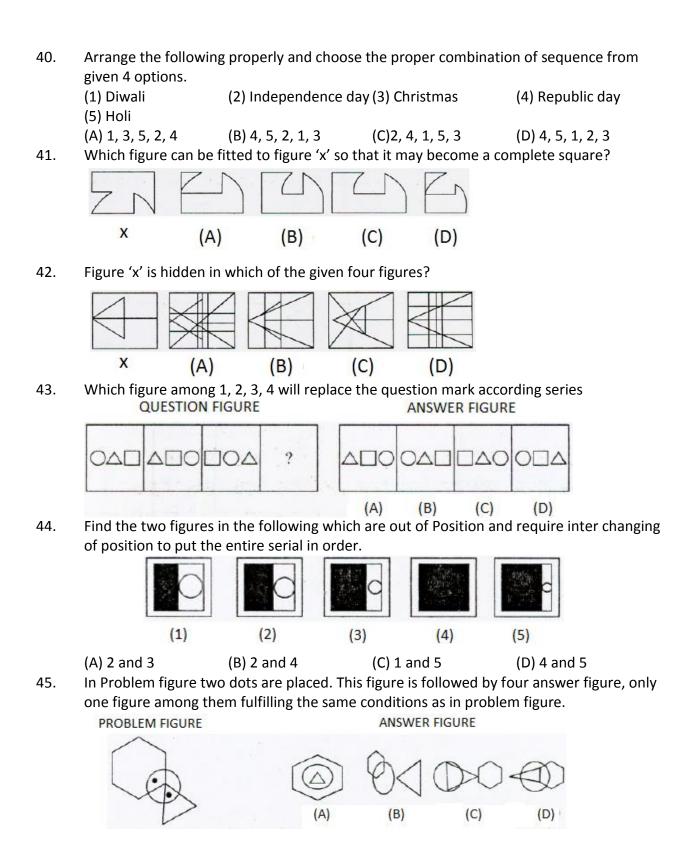
serial number for correct option.

| | | • | A B C D | E | |
|-----|--------------------------|-------|---------|-------|-------|
| | | | х | 4 | |
| | | | E D C B | A | |
| 32. | Value of A is ? (A) 7 | (B) 2 | | (C) 8 | (D) 4 |
| 33. | Value of B is ? (A) 9 | (B) 8 | | (C) 1 | (D) 6 |
| 34. | Value of D is? (A) 3 | (B) 4 | | (C) 5 | (D)7 |

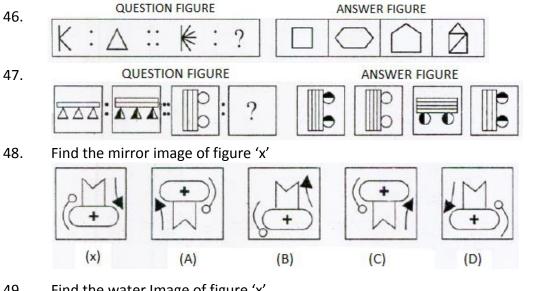
Directions (Q.35-37): Some equal cubes are arranged in the form of a block as shown in figure. All the visible surfaces of the block except the bottom are painted.



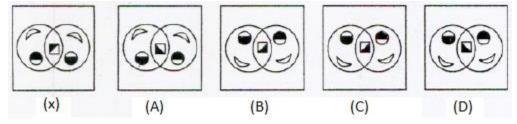
| 35. | How many Cubes hav | ve no face painted? | | |
|-----|--|---|---|---|
| | (A) 27 | (B) 32 | (C) 36 | (D) 40 |
| 36. | How many cubes hav | e only one face Painte | ed? | |
| | (A) 9 | (B) 45 | (C) 57 | (D) 62 |
| 37. | How many cubes hav | e only two faces Paint | ed? | |
| | (A) 0 | (B) 16 | (C) 20 | (D) 24 |
| 38. | Ramesh and Santosh | are ranked Eighth and | l Twelfth respectively f | rom the top in a class of |
| | 42 students. What w | ill be their respective r | anks from the bottom | in the class? |
| | (A) 34 th and 30 th | (B) 31 st and 35 th | (C) 36 th and 32 nd | (D) 35 th and 31 st |
| 39. | How many such 5's a | re there in the followi | ng number sequence e | ach of which is |
| | immediately preceded by 3 or 4 but not immediately followed by 8 or 9? | | | |
| | 3 5 9 5 4 5 5 3 5 8 4 5 | 673575545235 | 10 | |
| | (A) Two | (B) Three | (C) Four | (D) Five |



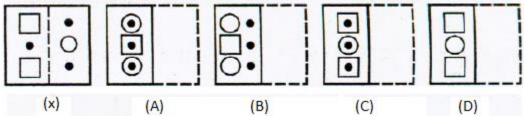
Directions (Q.46-47): In each of the following questions there is a relationship between two figures on the left side of the sign ::, The same relations ship exists between the two, to the right side of sign ::, find the correct alternative.



49. Find the water Image of figure 'x'

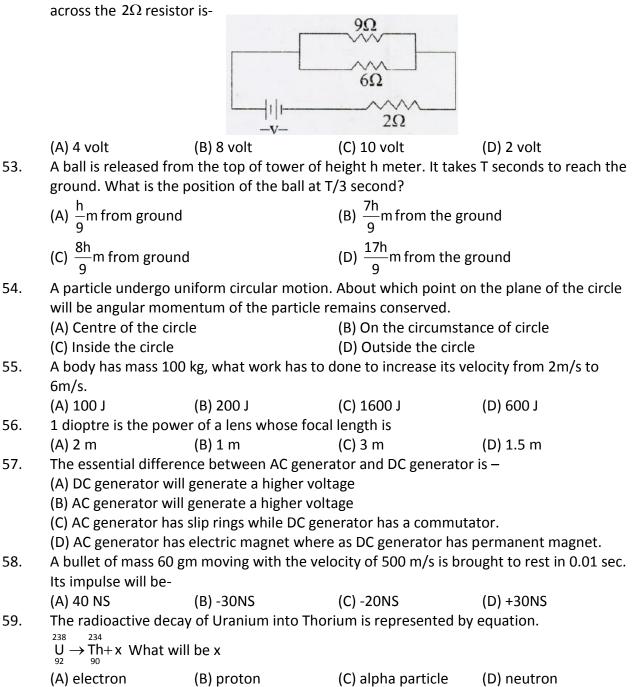


50. A square transparent paper with a pattern is given. Find out from amongst the four alternative figures which would be like the one when the paper is folded at dotted line.



SCHOLASTIC APTITUDE **Physics**

- 51. A satellite having circular orbit about the earth has a kinetic energy Ex. What is the minimum amount of energy to be added so that it escapes from the earth.
 - (B) $\frac{Ex}{2}$ (A) $\frac{Ex}{4}$ (C) Ex (D) 2 Ex
- 52. If power dissipated in the 9 Ω resistor in the circuit is 36 watt. The potential difference across the 2Ω resistor is-



| 60. | | 1 kg and 2 kg are sus tively. Find the ratio o | | pport by threads of length |
|-----|---|---|---------------------------|-----------------------------|
| | (A) 4 | (B) 8 | (C) 2 | (D) 12 |
| 61. | An electron and pro | ton enter a magnetic | field with equal veloci | ties. Which one of them |
| | experiences more for | orce. | | |
| | (A) electron | | (B) proton | |
| | (C) It cannot be pred | | (D) Both experience | |
| 62. | | pject be placed in from | t of convex lens to get | a real image of the same |
| | size of the object | | | |
| | (A) At the principal t | | | |
| | (B) At twice the foca(C) At infinity | anength | | |
| | | centre of the lens and | t its principal focus | |
| 63. | | mperature in Fahrenh | | |
| 00. | (A) 118°F | (B) 113°F | (C) 120°F | (D) 115°F |
| | (//) 110 1 | | (0) 120 1 | |
| | | Chem | nistry | |
| 64. | You are given a solu | | • | u think cannot displace, Ag |
| | from AgNO ₃ solutio | - | | |
| | (A) Magnesium | (B) Zinc | (C) Gold | (D) Copper |
| 65. | | | , C, D are 6, 8, 10, 12 r | |
| | | react to from an ionic | | |
| | (A) A and D | (B) B and C | (C) A and C | (D) B and D |
| 66. | Out of the following | pair of compounds th | ne unsaturated compo | unds are- |
| | (A) $C_2 H_6 and C_4 H_6$ | (B) $C_2 H_{12}$ and $C_5 H_{12}$ | (C) $C_4H_6andC_6H_{12}$ | (D) $C_2H_6andC_4H_{10}$ |
| 67. | Which of following | set of elements is writ | ten in order of their in | creasing metallic |
| | character- | | | |
| | (A) Mg,A1,Si | (B) C, O, N | (C) Na, Li, K | (D) Be, Mg, Ca |
| 68. | | - | rrect about properties | of colloids- |
| | (A) A colloid is a Hor | • | | |
| | | | small to be individually | |
| | | enough to scatter a be | am of light passing thi | ough it & make its path |
| | visible- (1) a,b,c are correct | | (2) b and c are corr | oct |
| | (3) a and b are correct | | (4) a and c are corre | |
| 69. | Assertion (A) | | | |
| 001 | | ail into CuSO. Solutio | n the colour of solution | ns changes. |
| | | is less reactive than in | | 0 |
| | | e correct but R is not c | | |
| | | correct, R is correct r | | |
| | (C) A is correct and | | | |
| | (D) A is oncorrect ar | nd R is correct. | | |
| | | | | |

70. Arrange the Li, Be, B, C, N elements according to increasing order of atomic radii. (A) N < C < B < Be < Li(B) C < Li < N < Be < B(C) Li < Be < B < C < N(D) B < Be < Li < C < NElements A, B, C having positions in periodic table-71. Group 16 Group 17 ----------_____ А -----_____ В С (A) A is a metal (B) C is smaller in size as compared to B (C) Element A gives negativity charged ion (1) a, b and c are correct (2) only b and c are correct (3) only b is correct (4) a and c are correct 72. Which of the following is having maximum double bonds-(B) Benzene (D) Propanol (A) Propanone (C) Propene 73. Carbon atom in graphite is combined with how many other carbon atoms-(B) 2 (A) 1 (C) 3 (D) 4 A solution contains 58.5 gm of common salt in 360 gm of water calculate the total number 74. of protons in solution. (A) 21x6.023x10²³ (B) 22.8x6.023x10²³ (C) $200x6.023x10^{23}$ (D) 228x6.023x10²³ 75. A solution of calcium hydroxide is used for white washing walls. After two to three days of white washing, walls start shining due to formation of compound. (A) CaO (B) CaCO₂ (C) CaSO (D) Ca(HCO₃) Which mass of O_2 (Oxygen molecule) will contain the same number of molecules as 2.5 76. moles of $C\ell_{2}$. (A) 180 gm (B) 100 gm (C) 71 gm (D) 80 gm Biology 77. Which one of the following statement is true-(A) In humans there are two pairs of sex chromosome. (B) A child who inherits an x chromosome from father will be a boy. (C) A child who inherits an y choromosome from father will be a girl. (D) A child who inherits an x choromosome from father will be a girl. 78. The Pancreas secretes Pancreatic Juice which contains enzyme for digesting proteins. (A) Lipase (B) Amylase (C) Zymase (D) Trypsin 79. Involuntary actions including blood pressure, salivation and vomiting are controlled by-(B) Pons (C) Cerebrum (A) Cerebellum (D) Medulla

- 80. The correct pathway of blood in circulatory sysyem is-
 - (A) Auricles \rightarrow ventricles \rightarrow Arteries \rightarrow Veins
 - (B) Ventricles \rightarrow Auricles \rightarrow Veins \rightarrow Arteries
 - (C) Ventricles \rightarrow Veins \rightarrow Arteries \rightarrow Auricles
 - (D) Veins \rightarrow Ventricles \rightarrow Arteries \rightarrow Auricles
- 81. Heart muscle cells are-
 - (A) Round, unbranched, uninucleate
 - (B) Non cylinderical, branched and uninucleate
 - (C) Cylindrical, unbranched and multi nucleate
 - (D) Cylindrical, branched and uninucleate
- 82. Which of the following is the correct features of 'Lymph'
 - (A) It is similar to the plasma of blood, colourless and contains less protein.
 - (B) Similar to the WBC of blood, colourless and contain more protein.
 - (C) Similar to the RBC of blood and red in colour.
 - (D) It contains more fat.
- 83. Match the item in coloum-I with those in coloum-II and select the correct choice.

| | Column I | Column II | |
|---|------------|-----------|---|
| А | Food Chain | 1 | Elephant |
| В | Food Web | 2 | Jackal |
| С | Herbivore | 3 | Series of organism feeding on one another |
| D | Carnivore | 4 | Inter linked food chain |

| (1) A- 3 | B-4 | C-1 | D-2 |
|----------|-----|-----|-----|
| (2) A-2 | B-1 | C-3 | D-4 |
| (3) A-1 | B-2 | C-3 | D-4 |
| (4) A-4 | B-3 | C-2 | D-1 |
| | | | |

- 84. Which of the following is not a part of the female reproductive system in human beings. (A) Ovary (B) Uterus (C) Vasdeferens (D) Fallopain tube
- 85. _______ smoothens bone surface at points and is also present in the nose, ear, trachea & larynx.
 (A) Tendons
 (B) Ligament
 (C) Areolar tissues
 (D) Cartilage
- 86. Which of the following plant group bear naked seeds and usually perennial, evergreen and woody are-

| (A) Pteridophyta | (B) Gymnosperms | (C) Bryophyte | (D) Angiosperms |
|------------------|-----------------|-------------------|-----------------|
| (, | (=) =] = = [= | (-) =) = [-] = - | (=) |

87. The site for complete digestion of carbohydrates, proteins and fats is(A) Large intestine
(B) Stomach
(C) Small Intestine
(D) Mouth

| 88. 89. | (A) Actively dividing (B) Actively dividing (C) Actively dividing (D) Actively dividing | ing are characteristic for cells with dense cytop cells with dense cytop cellswith little cytoplas cells with thin cytoplas of grass is an example | lasm, thick cell wall an lasm, thin cell wall and sm, thin cell wall and p sm, thin cell wall and r | d prominent nuclei. I no vacuoles. rominent nuclei. |
|------------|--|---|--|---|
| 05. | (A) Homologous org (C) Vestigial organs | | (B) Analogous organ (D) Atavism | S |
| 90. | | ing are sensitive to sul | · · | |
| | (A) Algae | (B) Lichens | (C) Mosses | (D) Ferns |
| | | Mather | natics | |
| 91. | If $\frac{37}{13} = 2 + \frac{1}{x + \frac{1}{y + $ | , Where x, y, z are integ | gers, then the value of | x + y + z is |
| | | | | |
| 0.2 | (A) 6 | (B) 8 | (C) 7 | (D) – 2 |
| 92. | | the value of $\cos^2 x (1 +$ | | |
| | (A) 1 | (B) 0 | | (D) – 1 |
| 93. | If α and β are roots | of $a(x^2-1)+2bx=0$ ar | nd the quadratic equat | ion whose roots are |
| | $2\alpha - \frac{1}{\beta}$ and $2\beta - \frac{1}{\alpha}$ | is $px^2 + qx + r = 0$ then | p+q+ris equal to | |
| | (A) 2b | (B) 6a-8b | (C) 6b-8a | (D) 0 |
| 94. | If S _n denotes the sur | m of first n terms of an | A-P, then the value of | : |
| | $\left[\left({{S_{{3n}}} \! - \! {S_{{3n - 1}}}} ight) \! - \! \left({{S_{{2n}}} \! - \! } \!$ | $\left[S_{2n-1} ight]$ will be | | |
| | (A) $S_n - S_{n-1}$ | (B) nd | (C) 0 | (D) $S_{3n} - S_n$ |
| 95. | | n at the same time and nat the product is less t | | ppearing on them is |
| | (A) $\frac{1}{36}$ | (B) $\frac{4}{2}$ | (C) $\frac{17}{36}$ | (D) $\frac{2}{2}$ |
| | 36 | 9 | 36_ | 9 |
| 96. | If Arithmetic mean o | of numbers x_1, x_2, x_3, x_4 | ,x _n is X than Arithm | etic mean of numbers |
| | ax_1+b,ax_2+b,ax_3+ | b,,ax _n +b where | a and b are constants, | will be |
| | (A) X | (B) nax +nb | (C) ax | (D) $ax + b$ |
| 97. | - | - | | the girls in that class is 73. |
| | | of class X in that exam | is 71.8 find the ratio o | of number of boys to |
| | number of girls in th | | (c) 2 · 2 | |
| 98. | (A) 1 : 2 The altitude of an ex | (B) 2 : 1 quilateral triangle is p <i>c</i> | (C) 2 : 3 m The area of this tria | (D) 3 : 2 |
| 50. | | | | _ |
| | (A) p ² cm ² | (B) $\frac{\sqrt{3}}{2}$ p ² cm ² | (C) $\frac{\mu}{\sqrt{2}}$ cm ² | (D) $\frac{\sqrt{3}}{4}$ p ² cm ² |
| | | ۷. | ςγ | 4 |

| 99. | The sum of all the tw (A) 743 | vo digital natural numb (B) 700 | oers which are div (C) 728 | visible by 7 is (D) 735 | | |
|------|---|--|-------------------------------|---|--|--|
| 100. | The difference betw | | 65. When the lar | ger number is divided by the | | |
| 101. | If 75% of a number i | s added to 75, then the | e result is numbe | r itself. The number is | | |
| | (A) 50 | (B) 60 | (C) 300 | (D) 400 | | |
| 102. | Find the product of ∛3,∜3, ¹ √243 | | | | | |
| | (A) √3 | (B) 3 | (C) ¹² √3 (| (D) ∜3 | | |
| 103. | The sum of the ages the age of youngest | | he intervals of 3 y | years each is 50 years. What is | | |
| | (A) 4 years | (B) 8 years | (C) 10 years | (D) 12 years | | |
| 104. | | ng trains is the fastest | ? | | | |
| | · · · | • • | (C) 90 km/sec | (D) 100 km/sec | | |
| 105. | If $y = 5$, then what is | the value of $10y\sqrt{y^3}$ – | y ² ? | | | |
| | (A) 50√2 | (B) 100 | (C) 200√5 | (D) 500 | | |
| 106. | The mean of 1^2 , 2^2 , 3 | $^{2}, 4^{2}, 5^{2}, 6^{2}, 7^{2}$, is | | | | |
| | (A) 10 | (B) 20 | (C) 30 | (D) 40 | | |
| 107. | Simplify | | | | | |
| | $3\sqrt{2} + \sqrt[4]{64} + \sqrt[4]{2500}$ | | | | | |
| | (A) 11√2 | (B) 11 ∛ 2 | (C) ∛2 (| (D) 11 √4 | | |
| 108. | | | | $BC = K \text{ cm}, CA = \ell \text{ cm}, \text{ and } AB = \ell$ | | |
| | m cm, then the leng | | | | | |
| | (Δ) Kℓ | (B) $\frac{K(m+\ell)}{\ell}$ | (C) Km | (D) $K(m+\ell)$ | | |
| | (A) $\frac{m+\ell}{m+\ell}$ | (B) <u></u> | (C) $\frac{1}{m+\ell}$ | (D) <u> </u> | | |
| 109. | If area of a sector of | circle bounded by an a | arc of length 5π c | m is equal to $20\pi\mathrm{cm^2}$ then its | | |
| | radius (in cm) is | | | | | |
| | (A) 12 cm | (B) 16 cm | (C) 8 cm | (D) 10 cm | | |
| 110. | In right angled triang | gle $\triangle ABC, \angle B = 90^{\circ}, AB$ | = 5cm, BC $=$ 12cm | , then the area of in circle of | | |
| | this triangle ABC will | be | | | | |
| | (A) 4πcm ² | (B) $2\pi \text{cm}^2$ | (C) 13πcm ² | (D) 17πcm ² | | |
| | | History | | | | |

History

111. Why was the Vietnam was called the first television war?

- (A) Brought home stories from soldiers
- (B) Led to increase sale of television sets
- (C) Battle scenes were shown on daily news

(D) Televisison was invented.

| 112. | Who said these lines "whether I am a Hind | du, a Mohammedan, a Parsi, a Christian or of |
|------|---|---|
| | any other creed, I am above all an Indian. | Our country is India. Our nationality is Indian." |
| | (A) Dada Bhai Naoroji | (B) Surenderanath Banerjee |
| | (C) Gopal Krishan Gokhale | (D) Pherozeshah Mehta |
| 113. | Under which rules the sculpture of four lic | ons was built on Sarnath's Pillar? |
| | (A) Samudragupta | (B) Ashoka |
| | (C) Chandragupta | (D) Harsharvardhana |
| 114. | Who was the first Viceroy of India? | |
| | (A) Lord Clive | (B) Warren Hastings |
| | (C) Lord William Bentinck | (D) Lord Canning |
| 115. | To whom, Guru Gobind Singh Ji had writte | en Zafarnama? |
| | (A) Babur | (B) Aurangzeb |
| | (C) Humayun | (D) Jahangir |
| 116. | During India's freedom struggle which one | e of the following led to the first 'All India |
| | Hartal'? | |
| | (A) Protest against Jallianwala Bagh Massa | acre |
| | (B) Protest against Row Latt Act | |
| | (C) Trial of Mahatm Gandhi | |
| | (D) Arrival of Simon Commission | |
| 117. | In 1878 the Vernacular Press Act was mod | |
| | (A) French Press Laws | (B) British Press Laws |
| | (C) Irish Press Laws | (D) Scottish Press Laws |
| 118. | Who was the famous Sultan of Lodhi Dyna | • |
| | (A) Sikander Lodhi | (B) Ibrahim Lodhi |
| _ | (C) Dilawar Khan Lodhi | (D) Daulat Khan Lodhi |
| 119. | When was Nazi Party founded? | |
| | (A) 1917 | (B) 1918 |
| | (C) 1920 | (D) 1909 |
| 120. | Who had started Masand system? | |
| | (A) Guru Har Rai Ji | (B) Guru Angad Dev Ji |
| | (C) Guru Nanak Dev Ji | (D) Guru Ramdas Ji |
| 121. | "Who said these words, 'Tremble, therefo | - |
| | (A) Robert Darnton | (B) James Lackington |
| | (C) Louise/Sebastien Mercier | (D) Thomas Paine |
| | Geogr | anhy |
| 122. | | ng to the list of leading sugarcane producing |
| | states? | |
| | (A) Uttar Pradesh | (B) Andhra Pradesh |
| | (C) Madhya Pradesh | (D) Maharashtra |
| 123. | In which union Territory maximum area is | |
| | (A) Dadra and Nagar Haveli | (B) Andaman and Nicobar Islands |
| | | (D) Dudude ann |

- (A) Dadra and Nagar Haveli (C) Delhi
- (D) Puducherry

| 124. | Which agent causes the formation of V-sh | aped valley? |
|------|--|--|
| | (A) Snow | (B) Wind |
| | (C) Birds and animals | (D) Water |
| 125. | What type of soil is also known as 'Tea soi | |
| | (A) Mountain soil | (B) Marshy soil |
| | (C) Desert soil | (D) Saline and alkaline soil |
| 126. | Which of the following state has the highe | |
| 120. | (A) Goa | (B) Jammu and Kashmir |
| | (C) Kerala | (D) Haryana |
| 127. | What is the extent of 'Tropical Heat Zone' | |
| 127. | - | |
| | (A) $23\frac{1}{2}^{\circ}$ North to $23\frac{1}{2}^{\circ}$ South | (B) $23\frac{1}{2}^{\circ}$ North to $66\frac{1}{2}^{\circ}$ North |
| | (C) $23\frac{1}{2}^{\circ}$ South to $66\frac{1}{2}^{\circ}$ South | (D) $66\frac{1}{2}^{\circ}$ North to $66\frac{1}{2}^{\circ}$ South |
| | (C) 23 – South to 66 – South 2 – 2 | (D) 66 North to 66 South 2 2 2 |
| 128. | For which of the following industry, 'Dhari | iwal' is famous as an important centre/place. |
| | (A) Cotton Textile Industry | (B) Woolen Industry |
| | (C) jute industry | (D) Silk Industry |
| 129. | Which of the major port of India is located | |
| | (A) Kandla | (B) mumbai |
| | (C) Chennai | (D) Haldia |
| 130. | Which of the following place is influenced | by retreating or eastern monsoon? |
| | (A) Amritsar | (B) Chennai |
| | (C) Mumbai | (D) Shimla |
| 131. | Which of the following states are the majo | or products of copper? |
| | (A) Rajasthan and Madhya Pradesh | (B) Odisha and Rajasthan |
| | (C) Maharashtra and Gujarat | (D) Madhya Pradesh and Gujarat |
| 132. | Hyderabad is the capital of which state? | |
| | (A) Telangana | (B) Andhra Pradesh |
| | (C) Karnatka | (D) Tamil Nadu |
| | | |
| | Civ | ics |
| 133. | Who give the idea to establish the 'Lok Ad | alat'? |
| | (A) Sh. P.N. Bhagwati | (B) Dr. B.R. Ambedkar |
| | (C) Sh. Lal bahadur Shastri | (D) Dr. T.N. Sheshan |
| 134. | Which words were included in preamble in | n of Indian constitution by 42 nd amendment in |
| | 1976 - | |
| | (A) Directive Principles | (B) Democratic and Republic |
| | (C) We the people of India | (D) Socialist, secular and unity of country |
| 135. | Which fundamental right is considered as | the 'Pillar of Democracy'. |
| | (A) Right to equality | (B) Right to religious freedom |
| | (C) Right to freedom | (D) Right to constitutional remedies |

(C) Right to freedom (D) Right to constitutional remedies

| 136. | How many members does Pu | njab send for | Lok Sabha and Rajya Sabha - |
|------|--|------------------------|---|
| | (A) Lok Sabha -13 | Rajya Sabha - | - 7 |
| | (B) Lok Sabha - 7 | Rajya Sabha - | - 13 |
| | | Rajya Sabha - | |
| | (D) Lok Sabha - 545 | Rajya Sabha – | |
| 137. | Which rights are not given to | ••• | |
| | (A) Economic Rights | | (B) Social Rights |
| | (C) Political Rights | | (D) Civil Rights |
| 138. | Who is the chairman of the R | aiva Sabha? | |
| 100. | (A) Speaker | ajja babilat | (B) Vice-President |
| | (C) President | | (D) Prime-minister |
| 139. | Who can transfer a Governor | from one stat | |
| 135. | (A) Prime-minister | from one stat | (B) Parliament |
| | (C) President | | (D) Supreme Court |
| 140. | | a idea of two n | ations (partition) before independence? |
| 140. | (A) Mahatma Gandhi | | (B) Jawahar Lal Nehru |
| | (C) Liakat Ali | | (D) Mohd. Ali Jinah |
| 141. | . , | mombor of U | N.O. (United Nations) at present? |
| 141. | (A) 193 | | (B) 150 |
| | (C) 51 | | (D) 182 |
| 142. | India opposes strongly – | | (D) 182 |
| 142. | (A) United Nations | | (P) World page |
| | (C) Racialism and Apartheid p | olicy | (B) World peace(D) Common Wealth of Nations |
| | | σπογ | |
| | | Econor | nics |
| 143. | Which equation is true? | | |
| | • | χ | Money wages |
| | (A) Real Wages = $\frac{\text{Price Inde}}{\text{Money wage}}$ | \times 100 | (B) Real Wages = $\frac{\text{Money wages}}{\text{Price Index}} \times 100$ |
| | Money was | ses recy Drice Inde | |
| | (C) Real Wages = Money wag | | <u>ex</u> |
| | | 100 | |
| | (D) Real Wages = Money wag | | |
| | Price Inde | | |
| 144. | Economic activities are not re | | |
| | (A) Production, consumption | | |
| | (B) Production, consumption | - | |
| | (C) Production, exchange and | | |
| | (D) Consumption, exchange a | | n. |
| 145. | Socialist Economy has feature | es: - | |
| | (a) Govt. Control | | (b) Collective ownership |
| | (c) Competition | | (d) Freedom of market forces |
| | (e) Social welfare | | (-) · · · · |
| | | | |

- (A) a, b and c
- (C) a, b, and e

(B) a, b and d

(D) b, c and d

146. On the basis of ownership types of Economics are: -(A) Developed, mixed & capitalistic. (B) Capitalistic, developed and socialistic (C) Mixed, developed and under developed. (D) Socialistic, capitalistic and mixed. 147. In India which one is not indicator of level of economic development: -(A) Per capita income (B) Expectation of life (C) Population (D) Literacy rate 148. How many banks were nationalized by Govt. of India in 1980? (C) 7 (A) 12 (B) 14 (D) 8 149. Which of the following organisations looks after the credit needs of Agriculture and Rural Development in India? (A) FCI (C) NABARD (B) IDBI (D) ICAR 150. When there is investment made in the form of education, training and medical care the population becomes: -(A) Working capital (B) Human capital (C) Fixed capital (D) Capital growth

LANGUAGE TEST

English

Q. (151-154) Read the comprehension passage carefully and answer the following questions -

There are over a quarter of a million plant species. Only 600 or so are carnivorous who call, attract and eat bugs. They live in bogs and places where the soil lacks

- 151. Which statement does the author most likely agree with?
 - (A) There are too many species of carnivorous plants.
 - (B) There are a few plant species in the world.
 - (C) Only a small number of plants are carnivorous.
 - (D) A majority of plants are carnivorous.
- 152. Which plants traps bugs in its stem and forces them to walk forward?
 - (A) Corkscrew plants (B) Sundews
 - (C) Bladderworts (D) Pitcher plants
- 153. Which event happens last when Sundews eats a meal?
 - (A) The Sundews create mucilage.
 - (B) The Sundew's tentacles curl in response to the prey.
 - (C) The bug is attracted to the mucilage.
 - (D) The Sundew releases enzymes.
- 154. Which best defines the word treacherous?
 - (A) Something that provides nutrients.
 - (B) Something that is very bright.
 - (C) Something that tastes delicious.
 - (D) Something that has a hidden danger.

Q. (155-158) Read the comprehension passage carefully and answer the following questions: -

In 1848, gold was found in California. Thousands of people rushed there to get some. Many people liked living there and decided to stay. At that time there was no train line. In 1860 and 1861, the Pony express was the fastest way to get news to and from the West. It could make the trip in just ten days. The Pony Express had 184 stations along the trail. The stations were around ten miles apart. This is about how far a horse could run at a gallop before tiring. The rider would switch to a new horse at each station and before resting the would give his mail pouch to new rider. The mail never stopped moving, even while the horses and riders rested. Each rider had to weigh less than 125 pounds. Speed was the key. Most of the riders were teenage boys who rode at a fast pace for upto 100 miles a day. If there was an emergency one might have to ride 200 miles in a day. In its time running, the Pony Express only lost one mail pouch. The Pony Express played an important role for a time but it did not last.

155. Which best explains why Pony riders had to weigh less than 125 pounds? (A) Heavier men were more expensive (B) Horses were scared of heavier men. (C) Heavier men scared customers. (D) Horses could make guicker with lighter men. 156. How fast could the Pony Express take a letter from California to Massoorie? (A) 24 hours (B) Ten days (C) Twenty days (D) One month 157. About how far did Pony Express riders travel on a usual day? (A) 10 miles (B) 200 miles (C) 100 miles (D) 2000 miles 158. How many pouches did the Pony Express lose? (A) Never lost a pouch (B) One (C) Two (D) Too many to keep track

Q. (159-162) Read the following passage and answer the questions based on it.

Nehru was a many sided personality. He enjoyed reading and writing books as much as he enjoyed fighting political and social evils or residing tyranny. In him, the scientist and the humanist were held in perfect balance. While he kept looking at special problems from a scientific stand point, he never forgot that we should nourish the total man. As a scientist, he refused to believe in benevolent power interested in men's affairs. But, as a self proclaimed non-believer, he loved affirming his faith in life and the beauty of nature. Children he adored. Unlike Wordsworth, he did not see him trailing clouds of glory from the recent sojourn in heaven. He saw them as a blossoms of promise and renewal, they only hope for mankind.

- 159. Nehru thought that children
 - (A) Were trailing clouds of glory.
 - (B) Held promise flowers to be loved and admired.
 - (C) Were like flowers to be loved and admired.
 - (D) Held no hope for mankind.

- 160. Nehru enjoyed
 - (A) Reading and writing books
 - (B) Fighting political and social evils
 - (C) Resisting tranny
 - (D) Doing all the above and much more
- 161. Which of the statements reflects Nehru's point of view?
 - (A) Humanism is more important than science.
 - (B) Science is supreme and humanism is subordinate to it.
 - (C) Science and Humanism are equally important.
 - (D) There is no ground between science and humanism.
- 162. A many sided personality means
 - (A) A complex personality
 - (B) A secretive person
 - (C) A person having varied interests
 - (D) A capable person

Q. (163-166) Read the comprehension passage carefully and answer the following questions.

Tigers are the largest and most powerful of all the cat species. Despite all of the tiger's strength, the future of the species is uncertain. It is estimated that at the start of the 20th century, there were over 1,00000 tigers living in the wild whose number has dwindled to just over 3,000. Serious threats that tigers face come from Homo-sapiens better known as humans. Tigers are hunted for many reasons like their striped skin, which is worth \$10,000 in the black market. Though the fur would be an incentive for poachers, other parts of tiger can fetch pretty penny. Some people in China and other Asian countries believe that tigers parts have heling properties. Traditional Chinese medicine calls for the use of tiger bones in some prescriptions. Tigers have also been hunted for the sake of thrill in a game. Humans have done considerable damage through the destruction of habitat. Over the past 100 years tigers have lost 93% of their historic range. A major obstacle to preserve tigers is the enormous amount of territory that each tiger requires. There is no way to preserve the wild tiger population without making large sacrifices.

- 163. Which of the following is not a reason in the paragraph explaining why tigers are hunted?(A) Because tiger's skin is worth a lot of money.
 - (B) Because tiger's parts are used as medicine in some cultures.
 - (C) Because some tigers attach local villagers.
 - (D) Because tigers are hunted for enjoyment by some people.
- 164. Which number is closed to the estimation of the wild tiger population in 2003?
 - (A) 3000 (B) 1,00,000
 - (C) 140 (D) 30,000
- 165. Which best explains why tigers have lost so much of their habitat according to the text?(A) Because humans are afraid of tigers.
 - (B) Because tiger's skin is very valuable.
 - (C) Because humans have changed the land.
 - (D) Because tigers need so much space to survive.

- 166. Based on information in the text, which best explains why tigers are poached? (A) Poachers hunt tigers to protect their families from dangerous animals.
 - (B) Poachers hunt tigers for medicine to cure sick family members.
 - (C) Poachers hunt tigers to earn a large amount of money.
 - (D) Poachers hunt tigers because they enjoy killing dangerous animals.

Q. (167-168) The following five sentence come from a single paragraph. The first and last sentence are given. Choose the right order in which the sentences (PQR) should appear to complete the paragraph.

- S1. While talking to a group, one should feel self confident and courageous. 167.

 - S2._____ \$3._____ S4. _____
 - S5. It is like the ability to play golf.

P. It is not as difficult as most men imagine.

Q. One should also learn how to think calmly and clearly.

R. Nor is it a gift bestowed by providence on only a few.

Choose from the options given below:

| (A) RPQ | (B) PQR |
|---|---------|
| (C) QPR | (D) QRP |
| S1 Onco king Shantanu mot a fishor girl | |

- 168. S1. Once king Shantanu met a fisher girl.
 - S2.____ \$3._____
 - S4. _____

S5. King Shantanu did not agree to the condition.

P. The fisherman agreed to it on one condition that his daughter's son should become the heir to the throne.

- Q. He fell in love with the girl.
- R. He went to fisherman to ask for her hand.

Choose from the options given below:

| (A) RPQ | (B) PQR |
|---------|---------|
| (C) QPR | (D) QRP |

Q. (169-170) The following questions have the second sentence missing. Choose the appropriate sentence from the given options to complete it.

- 169. I. In order to raise company profit, the employees worked hard.
 - П.
 - III. However they offer to work over time without any compensation.
 - (A) They decided to raise the cost of raw material.
 - (B) They decided to pay attention on quality.
 - (C) They store and black market the manufactured items.
 - (D) They demanded two additional increments.
- 170. I. Nothing comes out of nothing.

II.

III. A person who thinks that luck would favour him without lifting his finger even, is living in a fool's paradise.

- (A) So, we should work hard.
- (B) Fate is supreme and everything can be gained by it.
- (C) So, we should sit idle and hope for the best.
- (D) We should not worry at all and pay attention only for our welfare.

Q. (170-171)

| 171. | | st appropriate option from the given alternatives. |
|------|--------------------------|--|
| | | as affected our sales tremendously. |
| | (A) Touch down | (B) Show down |
| | (C) Slow down | (D) Crack down |
| 172. | Now the management gradu | ate can expect to have a life in the city. |
| | (A) Menial | (B) Tedious |
| | (C) Boring | (D) Prosperous |
| 173. | The village was by | the earthquake. |
| | (A) Dazed | (B) Razed |
| | (C) Fused | (D) Bemused |
| 174. | The committee decided to | a new member in the organization. |
| | (A) Appoint | (B) Commit |
| | (C) Detain | (D) Suggest |
| 175. | The teacher his stud | lents. |
| | (A) Survived | (B) Laughed |
| | (C) Berated | (D) Shunted |
| 176. | The gypsies do not live | at a particular place. |
| | (A) Broadly | (B) Willingly |
| | (C) Voluntarily | (D) Permanently |
| 177. | She was remarkably | _ in singing and dancing. |
| | (A) Conducive | (B) Cooperative |
| | (C) Accomplished | (D) Fluctuating |
| | | |

| following all the instructions closely, he missed out an important | | | | | | | |
|---|---|--|--|--|--|--|--|
| guidelines. | | | | | | | |
| (A) Instead of | (B) Inspite of | | | | | | |
| (C) Although | (D) Otherwise | | | | | | |
| Google is one of the most popular search er | ngines, it is by the internet users. | | | | | | |
| (A) Utilized | (B) Examined | | | | | | |
| (C) Effected | (D) Flabbergasted | | | | | | |
| Her silence was taken as agreeme | ent. | | | | | | |
| (A) Concluded | (B) Aggravated | | | | | | |
| (C) Tacit | (D) Repented | | | | | | |
| 1-185) Select the meaning of the underlined | phrase/ idiom: | | | | | | |
| Being the head of a family, he finds it difficult to keep his head above water. | | | | | | | |
| (A) To take rest | (B) To work properly | | | | | | |
| (C) To avoid quarrel | (D) To survive easily | | | | | | |
| On the eve of inspection, everything was ke | pt <u>in apple pie order.</u> | | | | | | |
| (A) In random order | (B) In perfect order | | | | | | |
| (C) Carelessly | (D) Timely | | | | | | |
| Land has always been an apple of discord b | etween two brothers. | | | | | | |
| (A) Cause of quarrel | (B) Cause of happiness | | | | | | |
| (C) Cause of ill health | (D) Cause of contentment | | | | | | |
| Mohan had to look <u>high and low</u> before he | could find his scooter key. | | | | | | |
| (A) Everywhere | (B) No where | | | | | | |
| (C) Some where | (D) Always | | | | | | |
| | ults were declared. | | | | | | |
| (A) Felt scared | (B) Kept praying | | | | | | |
| (C) Kept hopeful | (D) Waited anxiously | | | | | | |
| | guidelines. (A) Instead of (C) Although Google is one of the most popular search er (A) Utilized (C) Effected Her silence was taken as agreeme (A) Concluded (C) Tacit 1-185) Select the meaning of the underlined Being the head of a family, he finds it difficu (A) To take rest (C) To avoid quarrel On the eve of inspection, everything was ke (A) In random order (C) Carelessly Land has always been an <u>apple of discord be</u> (A) Cause of quarrel (C) Cause of ill health Mohan had to look <u>high and low</u> before he of (A) Everywhere (C) Some where We <u>kept our fingers crossed</u> till the final ress (A) Felt scared | | | | | | |

Q. (186-192) In the following passage, there are some numbered blanks. Fill in the blanks by selecting the most appropriate word from each blank from the given options:

The term "broadband" refers to telecommunication in which a wide band of frequency is ready to send (186) _______. It (187) _______ users to (188) _______ Internet at (189) _______ speed than traditional (190) ______. High-speed Internet allows users to (191) ______ data processing and high-speed (192) ______ technologies.

| 186. | (A) Quotes (C) Alarms | (B) Signals (D) Clues |
|------|---------------------------|--------------------------------|
| 187. | (A) Agrees (C) Allows | (B) Disables (D) Instigates |
| 188. | (A) Access (C) Regress | (B) Digress (D) Supress |

| 189. | (A) Lower | (B) Higher |
|------|-----------------|--------------------|
| | (C) Regular | (D) Normal |
| 190. | (A) Keypads | (B) Mouse |
| | (C) Monitor | (B) Modems |
| 191. | (A) Irregular | (B) Advance |
| | (C) Optional | (D) General |
| 192. | (A) Transferred | (B) Transmission |
| | (C) Fundamental | (D) Transcendental |
| | | |

Q. (193-198) Choose the correct antonym from the options given below:

| 193. | Abdicate | |
|--------|--|---------------------------|
| | (A) Join | (B) Search |
| | (C) Abandon | (D) Advance |
| 194. | Rectify | |
| | (A) Bear | (B) Correct |
| | (C) Validate | (D) Destroy |
| 195. | Respite | |
| | (A) Break | (B) Commencement |
| | (C) Fatigue | (D) Continuation |
| 196. | Upheaval | |
| | (A) Harmony | (B) Radical change |
| | (C) Miracle | (D) Dynamic |
| 197. | Change the voice – | |
| | He kept us waiting. | |
| | (A) We had kept waiting by him. | |
| | (B) We were kept waiting by him. | |
| | (C) We had been kept waiting by him. | |
| | (D) Were we kept waiting by him. | |
| 198. | Who is laughing at the beggar? | |
| | (A) By whom are the beggar being laughed | |
| | (B) By whom is the beggar being laughed at | |
| | (C) Whom are the beggar being laughed at? | |
| | (D) By whom were the beggar laughed at? | |
| 0 (19 | 9-200) | |
| Q. (13 | 5 2001 | |
| 199. | Choose the synonym of the underlined wor | d from the given options. |
| | It is very difficult to retain all that you hear | |
| | (А) Кеер | (B) Preserve |
| | (C) Recall | (D) Conserve |
| 200. | The story is too fantastic to be credible. | |

200. The story is too fantastic to be <u>credible</u>.

(A) False

(C) Believable

(B) Readable

(D) Praise worth

Answer Key

National Talent Search Examination – 2016

State Level Test – 2016 Class – X MENTAL ABILITY AND SCHOLASTIC APTITUDE TEST

MENTAL ABILITY

| 1. | В | 2. | D | 3. | А | 4. | В | 5. | В | 6. | D | 7. | D |
|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| 8. | D | 9. | С | 10. | А | 11. | С | 12. | С | 13. | D | 14. | В |
| 15. | В | 16. | А | 17. | D | 18. | D | 19. | С | 20. | D | 21. | В |
| 22. | С | 23. | С | 24. | А | 25. | В | 26. | D | 27. | В | 28. | С |
| 29. | В | 30. | В | 31. | D | 32. | В | 33. | С | 34. | D | 35. | А |
| 36. | С | 37. | В | 38. | D | 39. | D | 40. | В | 41. | А | 42. | D |
| 43. | В | 44. | D | 45. | D | 46. | В | 47. | А | 48. | D | 49. | D |
| 50. | С | | | | | | | | | | | | |

SCHOLASTIC APTITUDE TEST PHYSICS

| 51. 58. | C B | 52. 59. | C C | 53. 60. | C C | 54. 61. | A D | 55. 62. | C B | 56. 63. | B B | 57. | С |
|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|------------|--------|
| CHEMISTRY | | | | | | | | | | | | | |
| 64. 71. | C B | 65. 72. | D B | 66. 73. | C C | 67. 74. | D D | 68. 75. | B B | 69. 76. | B D | 70. | A |
| BIOLOGY | | | | | | | | | | | | | |
| 77. 84. | D C | 78. 85. | D D | 79. 86. | D B | 80. 87. | A C | 81. 88. | D B | 82. 89. | A A | 83. 90. | A B |

MATHEMATICS

| 91. 98. 105. | B C D | 92. 99. 106. | A C B | 93. 100. 107. | C B A | 94. 101. 108. | B C A | 95. 102. 109. | B B C | 96. 103. 110. | D A A | 97. 104. | D D | |
|--------------------|-------------|--------------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|---------------------|-------------|--------------|--------|--|
| | HISTORY | | | | | | | | | | | | | |
| 111. 118. | C A | 112. 119. | A B | 113. 120. | B D | 114. 121. | D C | 115. | В | 116. | В | 117. | С | |
| GEOGRAPHY | | | | | | | | | | | | | | |
| 122. 129. | C D | 123. 130. | B B | 124. 131. | D A | 125. 132. | A A | 126. | С | 127. | A | 128. | В | |
| | CIVICS | | | | | | | | | | | | | |
| 133. 140. | A D | 134. 141. | D A | 135. 142. | C C | 136. | A | 137. | С | 138. | В | 139. | С | |
| | | | | | | ECONO | MICS | | | | | | | |
| 143. 150. | B B | 144. | A | 145. | С | 146. | D | 147. | С | 148. | С | 149. | С | |
| | | | | | LA | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 151. 158. | C B | 152. 159. | A B | 153. 160. | D D | 154. 161. | D C | 155. 162. | D C | 156. 163. | B C | 157. 164. | C A | |
| 165. | D | 166. | С | 167. | С | 168. | D | 169. | С | 170. | Α | 171. | С | |
| 172. 179. | D A | 173. 180. | B B | 174. 181. | A D | 175. 182. | B B | 176. 183. | D B | 177. 184. | B A | 178. 185. | C D | |
| 179. 186. | B | 180. 187. | C | 181. | A | 182. 189. | B | 185. 190. | D | 184. 191. | B | 185. 192. | B | |
| 193. 200. | C B | 194. | В | 195. | A | 196. | В | 197. | В | 198. | В | 199. | A | |