Medium : ENGLISH

NTSE(EE)

Language : ENGLISH

Roll No.

NTSE-NOVEMBER, 2016

MENTAL ABILITY AND SCHOLASTIC APTITUDE TEST

Time : 180 Minutes

Mental Ability Test:50 MarksLanguage Comprehensive Test:50 MarksAptitude Test:100 MarksTotal:200 Marks

Instructions to Candidates

Read the following instructions carefully before you answer the questions. Answers are to be SHADED on a SEPARATE OMR Answer sheet given, 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 the subsequent purpose your Centre Code No. and Roll No. shall remain the same as given on the Admission Card.
- The Test is in THREE PARTS.
 Part-I (Mental Ability) consists of 50 Questions (Q. Nos. 1 to 50),
 Part - II (Language Comprehensive Test) consists of 50 Questions

(Q. Nos. 51 to 100) and **Part - III** (Aptitude Test) consists of 100 questions (Q. Nos. 101 to 200) ショイリアになる。そので、りいて、し、いいでないのでは、いったのではないのないのないないないないないないないないないであったります。

- 3. All questions 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 all three parts.

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

K-01

- 7. Since the time allotted to the 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 completion of the examination. No candidate should leave the examination hall before the end of the examination.

K-01

Directions Question (1 to 5):

In the Number series given below, one Number is missing. Each series is followed by five alternatives (1), (2), (3), (4) and (5). One of them is the right answer. Identify and indicate it as per the "Instructions".

| 1. | 5, 10, 17, 26,, | 50 | | | | |
|----|-----------------------|---------|---------|---------|--------|-----|
| | (1) 34 | (2) 31 | (3) 37 | (4) 41 | (5) 43 | |
| 2. | 2, 6, 12, 20, 30, 42, | , 56 , | | | | |
| | (1) 63 | (2) 67 | (3) 69 | (4) 72 | (5) 74 | |
| 3. | 14, 28, 20, 40, 32, | 64, | | | | |
| | (1) 56 | (2) 46 | (3) 58 | (4) 48 | (5) 72 | |
| 4. | 0, 3, 8, 15, 24, | | | | | |
| | (1) 35 | (2) 37 | (3) 40 | (4) 39 | (5) 38 | |
| 5. | 12, 26, 54, 110, | | | | | |
| | (1) 222 | (2) 224 | (3) 220 | (4) 228 | (5) | 226 |
| | | | | | | |

Questions (6 to 10) are based upon letter analogy. There are two pairs of letter combination in each question. The first (left hand side) pair has some relationship between' its members. In the second pair, one member is missing. Find this out from answers (1), (2), (3), (4) and (5) such that this pair has similar relationship as the first pair. Indicate your answer as per the "Instructions".

| 6. | 6. LKJ : MNO :: DCB :? | | | | |
|---------------------------------|---|--|----------------------|----------------------|----------------------|
| | (1) FEG | (2) EGF | (3) FGH | (4) EFG | (5) FGE |
| 7. | ADGJ : BEHK :: KN | IQT :? | | | |
| | (1) LOPS | (2) LMRU | (3) LORU | (4) LMPS | (5) LNQT |
| 8. | HJLN : PRTV :: BD | FH :? | | | |
| | (1) JKOR | (2) JMOR | (3) JLNP | (4) JMNP | (5) JKOP |
| 9. | QSUW : XZBD :: BI | DFH :? | | | |
| | (1) IMOK | (2) IMKO | (3) IKMO | (4) HKMO | (5) JKMO |
| 10. DRIVEN : NEVIRD :: BEGUM :? | | | | | |
| | (1) EBGMU | (2) MUGEB | (3) MEUBG | (4) UGMEB | (5) EBGUM |
| 8. 9. | (1) LOPS HJLN : PRTV :: BD (1) JKOR QSUW : XZBD :: BI (1) IMOK DRIVEN : NEVIRD | (2) LMRU FH :? (2) JMOR DFH :? (2) IMKO :: BEGUM :? | (3) JLNP (3) IKMO | (4) JMNP (4) HKMO | (5) JKOP (5) JKMC |

Directions: Questions (11 to 15) : In the following questions, letters/letter groups are arranged in a particular order with some underlying criterion. Study the order and choose the answer from the alternatives to fill the gaps.

| 11. | YVP, WTN, URL,. | | | | |
|-----|------------------|--------------|----------|----------|-----------|
| | (1) TQL | (2) SRJ | (3) SPJ | (4) TRJ | (5) TPJ |
| 12. | QPO, NML, KJI, H | GF, | | | |
| | (1) ECD | (2) CEG | (3) CDE | (4) CEF | (5) EDC |
| 13. | AB, DEF, HIJK, | , STUVWX | | | |
| | (1) MNOPQ | (2) LMNOP | (3) LMNO | (4) MNOP | (5) QRSTU |
| 14. | GTB, CYV, YDP, | QND | | | |
| | (1) DIV | (2) UIJ | (3) DDV | (4) UVV | (5) VJK |
| 15. | KJAM, GGWJ, | , YAOD, UXKA | | | |
| | (1) CDUI | (2) DFTC | (3) CDTF | (4) CDSG | (5) DEVG |
| | | | | | |

Directions Questions (16 to 20) :

In each of the following questions, five words are given. Four of them are alike in some way. One is different from them. Identify it and indicate as per "Instructions".

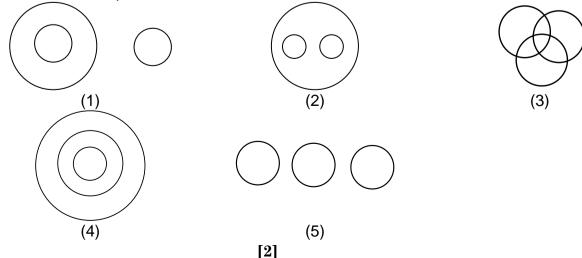
| 16. | (1) Asia | (2) Europe | (3) Antarctica | (4) Africa |
|-----|---|----------------|----------------|--------------|
| 17. | (5) Austria (1) Brazil (5) Mangolia | (2) Bangladesh | (3) China | (4) Cambodia |
| 18. | (5) Mangolia (1) Hyderabad (5) Trivandram | (2) Itanagar | (3) Patna | (4) Mysore |
| 19. | (1) Hard disk (5) Windows XP | (2) Monitor | (3) Keyboard | (4) Mouse |
| 20. | (1) Spider(5) Housefly | (2) Butterfly | (3) Cockroach | (4) Mosquito |

Directions Questions (21 to 25): In these questions there is a certain relationship between two words on one side of::, and only one word is given on the other side of ::, The missing word is to be found out from the given alternatives (1), (2), (3), (4) and (5), so that the relationship is the same as for the other pair. Identify the correct answer and indicate it as per "Instructions".

| 21. | French : France :: I (1) Holland (5) Denmark | Dutch:? (2) Norway | (3) Fiji | (4) Sweden |
|-----|--|------------------------|------------------------|-------------------|
| 22. | India : Mango :: Ne | w Zealand: ? | | |
| | (1) Apple | (2) Pineapple | (3) Kiwi | (4) Grapes |
| | (5) Strawberry | | | |
| 23. | Player : Coach :: P | upil :? | | |
| | (1) Word | (2) Teacher | (3) Class | (4) School |
| | (5) Education | | | |
| 24. | The Race of My Lif | e : Milkha Singh :: Th | ne Test of My Life : ? | |
| | (1) Gandhi | | (2) Yuvraj Šingh | |
| | (3) Sachin Tendulk | ar | (4) Kapil Dev | (5) Ricky Ponting |
| 25. | TRS : CAR :: SAM | AJWADI PARTY : ? | | |
| | (1) Bow and Arrow | (2) Elephant | (3) Arrow | (4) Bicycle |
| | (5) Rising Sun | | | |

Directions:

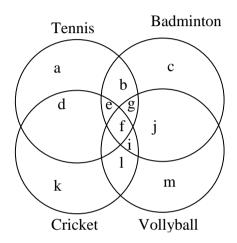
Questions (26 to 30) are based on the following diagrams. Study them carefully and indicate correct answer as per "Instructions."



- 26. Doctor, Patient, Human being
- 27. Sparrows, Crows, Eagles
- 28. Artists, Singers, Women
- 29. Hour, Minutes, Seconds.
- 30. Yak, Zebra, Bear

Directions Questions (31 to 35):

With the help of the given diagram, answer the following questions making the right choice from the given alternatives. Indicate the answer as per "Instructions".



| 31. | 1. Which letter represents the set of persons who play all the games? | | | | | |
|-----|---|----------------------|-----------------------|---------------------|-----------------|--|
| | (1) e | (2) g | (3) f | (4) h | (5) i | |
| 32. | Which letter r | epresents the set of | persons who play te | nnis and badmin | ton only? | |
| | (1) a | (2) b | (3) c | (4) e | (5) g | |
| 33. | Which letter r | epresents the set of | persons who play or | nly cricket? | | |
| | (1) d | (2) h | (3) k | (4) ℓ | (5) f | |
| 34. | Which letter r cricket? | epresents the set o | f persons who play a | all the other three | e games except | |
| | (1) e | (2) b | (3) j | (4) g | (5) i | |
| 35. | Which letter r not volleyball | | f persons who play te | ennis, badminton | and cricket but | |

(1) a (2) b (3) c (4) e (5) g

Directions Questions (36 to 38) : If in certain language CHARCOAL is coded as 45164913 and MORALE is coded as 296137, how are the following words coded? Identify the right answers and indicate it as per the "Instructions".

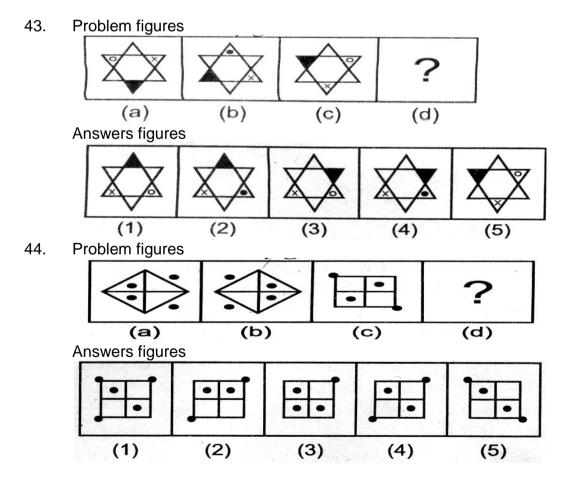
| 36. | REAL (1) 6713 | (2) 6513 | (3) 6719 | (4) 6519 | (5) 6715 |
|-----|------------------|------------|------------|------------|------------|
| 37. | COACH | | | () = = = | |
| 011 | (1) 49148 | (2) 48246 | (3) 49145 | (4) 49246 | (5) 49146 |
| 38. | COLLER | | | | |
| | (1) 397758 | (2) 497758 | (3) 483359 | (4) 493376 | (5) 395576 |

Directions Questions (39 to 42): are based on simple arithmetic principles. Find the right answer from the alternatives and indicate it as per the "Instructions".

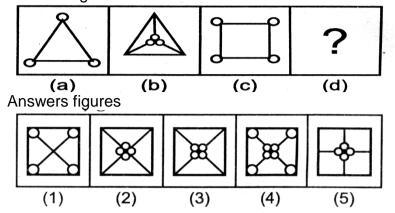
| 39. | If $\sqrt{625} = 25$, then | value of $16 \times \sqrt{0.0006}$ | 625 equal to | | |
|-----|---|------------------------------------|-------------------|-------------------|-------------------|
| | (1) 0.040 | (2) 0.004 | (3) 0.400 | (4) 4.000 | |
| | (5) None of these | | | | |
| 40. | 1+ | | | | |
| 10. | 1+ | | | | |
| | $1 + \frac{2}{1 + \frac{2}{1 + \frac{4}{5}}} = \dots$ | | | | |
| | 5 | | | | |
| | (1) $\frac{7}{4}$ | (2) $\frac{4}{7}$ | (3) $\frac{7}{5}$ | (4) $\frac{3}{7}$ | (5) $\frac{5}{7}$ |
| | 4 | 1 | 0 | ('' 7 | (0) 7 |
| 41. | 0.125 + 0.027 | is equal to | | | |
| 41. | $0.5 \times 0.5 + 0.09 - 0$ | —is equal to | • | | |
| | (1) 1 | (2) 0.8 | (3) 0.08 | (4) 0.2 | (5) 0.88 |
| 42. | If $\frac{x}{4} - \frac{x-3}{6} = 1$, ther |) Y= | | | |
| 72. | $\frac{1}{4} - \frac{1}{6} = 1, \text{ then}$ | · ~ | | | |
| | (1) 1 | (2) 3 | (3) 4 | (4) 6 | (5) 2 |

Directions Questions (43 to 46):

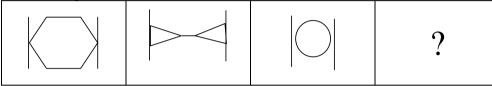
Each question has four problem figures a, b, c, and d. Figure 'd' has only a question mark '?' Figure 'b' bears certain relationship to 'a', similarly one of the answer figures bears similar relationship to 'c'. Find out and indicate it as per "Instructions."



45. Problem figures



46. Problem figures



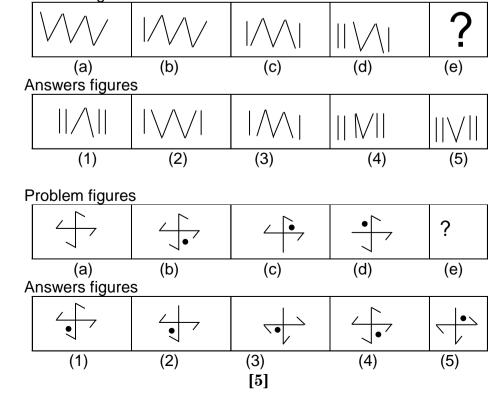
Answers figures

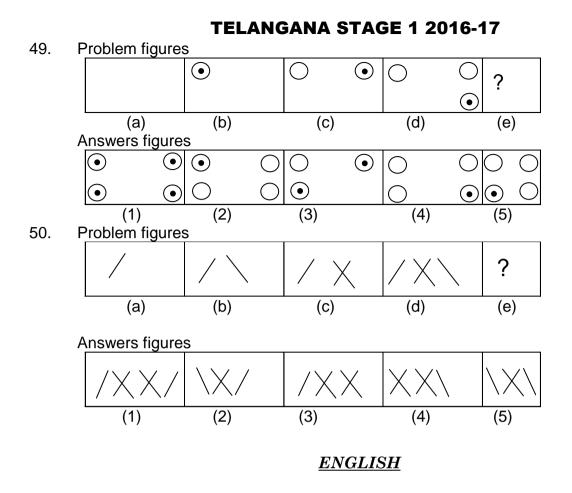


(1) (2) (3) (4) (5) **Direction Questions (47 to 50) :** In these questions, there are five problem figures (a), (b), (c), (d) and (e). Figure in (e) is, however, missing. You have to select one figure from the five answer figures (1), (2), (3), (4) and (5) such that the series is completed. Indicate your answer as per the "Instructions"

47. Problem figures

48.





Directions : Questions (51 - 55) :

Read the following passage.

Petroleum products, such as gasoline, kerosene, home heating oil, residual fuel oil and lubricating oils have a common source - crude oil that is found below the Earth's surface and under huge water bodies from a few hundred feet below the surface to as deep as 25,000 feet into the interior of Earth. Sometimes crude oil is secured by drilling a hole through the Earth, but more dry holes are drilled than those producing oil. Crude oil comes to the surface as result of pressure at the source or pumping. Crude oil wells flow at varying rates, from ten to thousands of barrel per hour. Petroleum products are always measured in 42 gallon barrels.

Petroleum products vary greatly in physical appearance : thin, thick, transparent or opaque, but regardless their chemical composition is made up of only two elements : Carbon and Hydrogen which form compounds called Hydrocarbons. Other chemical elements found in union with the hydrocarbons are few and are classified as impurities. Trace elements are also found, but in such minute quantities that they are disregarded. The combination of carbon and hydrogen forms many thousands of compounds which are possible because of the various positions and joinings of these two atoms in the hydrocarbon molecule.

The various petroleum products are refined from the crude oil by heating and condensing the vapours. Light oils such as gasoline, kerosene and distillate oil are the products. The residue remaining after the light oils are distilled is known as heavy or residual fuel oil, and is used mostly for burning under boilers. Additional complicated refining processes rearrange the chemical structure of the hydrocarbons to produce other products, some of which are used to upgrade and increase the octane rating of various types of gasolines.

Now answer the following questions.

- 51. The statement that is not true is ...
 - (1) Crude oil is found below land and water.
 - (2) Crude oil is always found a few hundred feet below the surface.
 - (3) A variety of petroleum products is obtained from crude oil.
 - (4) Pumping and pressure, forces crude oil to the surface.
- 52. Many thousands of hydrocarbons are possible because
 - (1) The petroleum products vary greatly in physical appearance.
 - (2) The atoms in the molecule assume many positions.
 - (3) The pressure needed to force it to the surface causes molecular transformation.
 - (4) Complicated refining processes rearrange the chemical structure.
- 53. The statement that is true is
 - (1) The various petroleum products are produced by filtration.
 - (2) Heating and condensation produces the various products.
 - (3) Chemical separation is used to produce the various products.

(4) Mechanical means such as the centrifuge are used to produce the various products.

- 54. The crude oil is brought to the surface through
 - (1) Expansion of the hydrocarbons. (2) Pressure and pumping.
 - (3) Vacuum created in the drilling pipe.
 - (4) Expansion and the contraction of Earth's surface
- 55. Which of the following is not listed under light oils ?
 - (1) Distillate oil (2) Gasoline (3) Lubricating oil (4) Kerosene

Read the following passage.

When life was rugged and simple, man's needs were few and he could supply them all. As he advanced from lone hunter to farmer and builder and exchanged a solitary existence for greater comfort and security of community life, he realized that he must come to an agreement with his neighbours on a common system of measurement. How can men build a house or a storage hut, or a temple unless all the builders use the same basic measurements ?

The very earliest measurements were for length. The bases for the measures were those most natural - a foot, a palm, a span of the hand. When building alone, man could use his own body. But on community projects, a common standard was required. The leader's measurements were taken and marked off on a stick or a stone. Crude copies were made from the original and passed out for use. Later the foot gradually evolved to become twelve inches long.

Now answer the questions given below.

- 56. The best title for the article could be.....
 - (1) Building a hut. (2) Man's early problems.
 - (3) Development of a standardized measurement.
 - (4) The growth of communities.
- 57. The advance of man from solitary to common life created
 - (1) a decrease in his needs.
 - (2) the dominance of tribal leaders.
 - (3) a great demand for storage huts.
 - (4) a need for standards of measurement.

- 58. Some standardization of measurement occurred
 - (1) as a result of a dispute over the proper size of a hut.
 - (2) because everyone's foot used to be almost the same length.
 - (3) due to the accidental discovery that a foot equaled twelve inches.
 - (4) when the leader's measurements replaced the individuals.
- 59. The author of the passage develops his point by means of (1) factual explanation. (2) comparison and contrast. (3) arguments and proof. (4) persuasion.
- 60. A person who has a solitary existence lives (1) quietly. (2) alone. (3) with others. (4) in jail.

Read the following passage.

The body of primitive man, a far away and primitive man called Homosapiens, so far as we can reconstruct from the fragmentary evidence we have, was exactly like our own and his brain was as big as that of modern man and guite as complicated in structure. His intelligence and his ability to learn were probably as great as that of the average man today. but he had a very meagre inheritance of knowledge.

The use of tools and weapons of a primitive sort was probably passed on from the subhuman creatures, who had learned how to break stones and use the sharp edged pieces for cutting and scraping and how to use a short, heavy stick for a club and a long pointed one for a spear. The subhuman creatures knew how to make use of fire, when they found it, but they did not know how to make it.

They had probably also discovered the advantages of social living; that several families living together in a tribe could offer each other help and protection and that hunters killed more game if they bonded together and had a leader to direct the hunt. The discovery that social living decreased the odds in favour of survival was, perhaps, primitive man's greatest discovery -greater than either the discovery of fire or the invention of the wheel.

Now answer the following questions.

- 61. What we know of primitive man is based upon
 - (1) pieces of evidence.

(2) a great deal of evidence.

(4) pictures in caves.

- (3) no evidence.
- 62. The first real man
 - (1) was unintelligent.
 - (2) was incapable of learning.
 - (3) received .very little knowledge from his ancestors.
 - (4) received a great store of knowledge from his ancestors.
- 63. According to the passage, man became a social being because.....
 - (1) co-operation was necessary for survival.
 - (2) in prehistoric times only the strongest survived.
 - (3) by nature he is a social being.
 - (4) he was compelled to do so.
- 64. A direct result of primitive man's discovery of the advantages of social living, was
 - (1) family (2) tribe (3) city (4) nation
- 65. According to the passage, we can say that the author is of the opinion that man's discovery of the advantages of social living is ...
 - (1) significant. (2) of great significance.
 - (3) insignificant.

(4) well known.

Directions :

In the following passage, there are some numbered blanks. Fill in the blanks by selecting the most appropriate word for each blank from the given options.

The postal service is the government agency 66 handles the mail. Its job is 67 letters and packages to people and businesses all over the world. Its 68 is to see that your mail gets to its destination 69 possible. People 70 the postal service to deliver important letters and even valuables 71 time to the right person.

- 66. (1) the fact that (2) whether
- 67. (1) being delivered
- (3) having delivered (2) goal
- 68. (1) idea

69.

- (1) less quickly (2) too quickly
- (1) back out
- 70. 71. (1) to
- (2) check out
- (2) for

- (3) of which (4) that
- (2) to be delivered
- (4) to deliver
- (3) plan
- (3) so quickly that
- (3) rely on

(3) bv

- (4) figure ouot
- (4) on

Questions (72 & 73) :

The following sentences come from a paragraph. The first and the last parts/sentences are given. Choose the order in which the three sentences/parts (PQR) should appear to complete the paragraph.

- 72. S1 - Of the many questions
 - (1) S2 (2) S3 (3) S4 (4) S5 (5) S5 - than any others.

Choose from the options given below

- **P** interviewers over the last ten years.
- Q that I have been asked by.
- **R** two have recurred more frequently.

Choose from the options given below.

- (1)QRP
- (2)PRQ
- QPR (3)
- (4) RQP
- 73. S1 - A women lives alone with her little daughter
 - S2
 - S3 -....
 - S4 -....
 - S5 -Presents given by the patients when they get discharged.
 - Ρ - and she often brings home for her daughter.
 - Q the woman works as charwoman at a hospital
 - R whom she loves very much.

(4) demand (4) as quickly as

Choose from the options given below

- (1) QRP
- (2) RQP
- (3) PRQ
- (4) RPQ

Directions Questions (74 to 77):

For each of the following groups of four words, find the incorrectly spelt word.

74. (1) mercenary (2) machinery (3) missionery (4) visionary 75. (1) quintescence (2) inquisitive (3) falsehood (4) reliable (3) reminiscence 76. (1) occasionally (2) quarantine (4) withdrawel (1) implement (2) laboratory (3) flourescent (4) lieutenant 77. Directions Questions (78-85): Select the most appropriate option to fill in the blanks from the given alternatives. 78. I am writing this essay blue ink. (4) on (1) in (2) with (3) from Rahul thinks that his car is than my car. 79. (1) expensive (2) more expensive (3) most expensive (4) more expensive Have you ever abroad? 80. (1) went (2) been (3) go (4) to 81. Anandan has been told he will have to pay the fine his high rank in the military (C) on grounds that (D) despite (A) even if (B) further more 82. Robert Fulton the steam boat. He displayed his new invention on the banks of the Hudson river. (!) discovered (2) invented (3) covered (4) drove Bhimrao Ramji Ambedkar is known Baba Saheb Ambedkar. 83. (2) famous (3) popularly (4) popular (1) poorly 84. I am the owner of this company. (1) seal (2) sole (3) sale (4) soul The inhabitants of our village claim that pedestrians have no choice but to risk their 85. lives crossing the dangerous road as there is...... a pedestrian bridgea cross walk. (1) not only / but also (2) both / and (3) neither / nor (4) no sooner / than Directions Questions (86 to 90) :

Choose the one which best expresses the meaning of the given phrase.

| 86. | break into | | | | |
|-----|-----------------------------------|---------------|-------------------------------|----------------|--|
| | (1) to enter by force (2) to stop | | (3) to reveal | (4) to support | |
| 87. | turn down | | | | |
| | (1) to give back | (2) to refuse | (3) to bring | (4) to arrive | |
| 88. | put off | | | | |
| | (1) become weak | | (2) to wear | | |
| | (3) postpone | | (4) provide lodging and food. | | |

| o9. | | | | |
|-----|----------------------|------------------|---------------------|----------------|
| | (1) to search for | | (2) to take care of | |
| | (3) to be careful ab | out | (4) to despise | |
| 90. | account for | | | |
| | (1) to explain | (2) to recommend | (3) to obey | (4) to request |
| | | | | |

Directions Questions (91 - 95) :

look down

00

Select the word which means the same as the given words.

| 91. | distraught | | | |
|-----|------------------------------|------------------|----------------------|--------------------|
| - | (1) composed | (2)calm | (3) agitated | pleased |
| 92. | outclassed | | | |
| | (1) overcame | | (2) suppress | |
| | (3) went out of the | class | (4) taking the class | out |
| 93. | precocious | | | |
| | (1) stupid | (2) talented | (3) backward | (4) dim-witted |
| 94. | complacent | | | |
| | discontent | (2) apprehensive | (3) annoyed | (4) self satisfied |
| 95. | malicious | | | |
| | benevolent | (2) harmful | (3) kind hearted | (4) gracious |

Directions Questions (96 - 100) :

Select the word which means (opposite of the given words)

| 96. | rescue (1) redeem | (2) release | (3) harm | (4)liberate |
|------|----------------------|---------------|------------|-------------|
| 97. | flimsy | | | |
| | (1) weak | (2) sturdy | (3) feeble | (4) frail |
| 98. | unleash | | | |
| | (1) restrain | (2) let loose | (3) vent | (4) unbind |
| 99. | collide | | | |
| | (1) adjust | (2) bump | (3) strike | (4) crash |
| 100. | brawl | | | |
| | (1) riot | (2) wrangle | (3) peace | (4) dispute |
| | | | | |

PHYSICS

- 101. Consider the motion of the tip of the minute hand of a clock in one hour. Which of the following statement is wrong?
 - (1) The average spead of the top is zero
 - (2) Average acceleration of the tip is zero
 - (3) Average velocity of the tip is zero
 - (4) the displacement of the top is zero
- 102. A body is projected vertically up with a speed 'u'. The time taken by the body to return back to ground is....

(1)
$$t = \frac{u}{g}$$
 (2) $t = \frac{2u}{g}$ (3) $t = \frac{1}{2}(ug)$ (4) $t = \frac{4u}{g}$

103. A body of mass 5 kg initially at rest is moved by a horizontal force of 2N on a smooth horizontal surface. The work done by the force in 10 seconds is......
(1) 10 J
(2) 50 J
(3) 40 J
(4) 20 J

| - | A retardating force of 150 N is app speed of 30 m/s. The time taken b | - | |
|--|--|--|--|
| 105. | (1) 20 seconds (2) 30 second A man standing between two parechoes after 1.5 seconds and 3.8 two cliffs is(Take velocity of source) | allel cliffs fires a gun. If h 5 seconds respectively, th | he hears first and second |
| | (1) 1190 m (2) 850 m | | (4) 510 m |
| 106. | The characteristic of sound that v | would result in an increas | e in loudness of a sound |
| | is… (1) Amplitude (2) Speed | (3) Pitch | (Λ) Quality |
| 107. | Of the following, the specific heat i | | (4) Quanty |
| | (1) water (2) sea-water | (3) kerosene oil | (4) mercury |
| 108. | A fan produces a feeling of comfor | t because | |
| | (1) fan supplies a cool air(3) fan cools the air | (2) evaporation of s | weat |
| | (3) fan cools the air | (4) fan increases hu | imidity in air |
| 109. | | | |
| | of 2:3. The focal length of the ler with low value of radius of curvature | | f curvature of the surface |
| | | (3) 15 cm | (4) 20 cm |
| 110. | The change in focal length of an e | | |
| | (1) pupil (2) retina | | |
| 111. | | | |
| | field, then the pote | ential difference between | two points separated by |
| | distance of 1 cm is | | (4) 0000) (|
| 110 | | (3) 3000 V | |
| 112. | <i>n</i> conducting wires of same dir connected in series. The | _ | |
| | | | |
| | (1) $\frac{n(n+1)}{2}$ (2) $\frac{n+1}{2n}$ | (3) $\frac{11+1}{2n}$ | (4) $\frac{21}{n+1}$ |
| 113. | | | |
| 110. | a velocity of 20 m/s in 4 seconds. | | |
| | (1) 50 watts (2) 100 watts | - | - |
| | | (3) 130 Walls | (4) 200 watts |
| | C | | (4) 200 watts |
| 114. | | HEMISTRY | (4) 200 watts |
| 114. | | HEMISTRY j is | (4) 200 watts(4) kerosene in water |
| 114. 115. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting | CHEMISTRY g is (3) oil in water a molecule is known as | (4) kerosene in water |
| 115. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept | (4) kerosene in water |
| | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? | (4) kerosene in water (4) atomic mass |
| 115. 116. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? (3) Water | (4) kerosene in water (4) atomic mass |
| 115. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by | (4) kerosene in water (4) atomic mass (4) Glucose |
| 115. 116. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by | (4) kerosene in water (4) atomic mass (4) Glucose |
| 115. 116. 117. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H ₂ SO ₄ is | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by | (4) kerosene in water (4) atomic mass (4) Glucose tion (4) chromatography |
| 115. 116. 117. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H ₂ SO ₄ is | CHEMISTRY g is (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by n (3) fractional distillat (3) 36.5 (u) | (4) kerosene in water (4) atomic mass (4) Glucose tion (4) chromatography |
| 115. 116. 117. 118. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H ₂ SO ₄ is (1) 58.5 (u) (2) 98 (u) | CHEMISTRY (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by n (3) fractional distillat (3) 36.5 (u) n of ²³ ₁₁ X is | (4) kerosene in water (4) atomic mass (4) Glucose tion (4) chromatography (4) 35.5 (u) |
| 115. 116. 117. 118. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H_2SO_4 is (1) 58.5 (u) (2) 98 (u) The number of neutrons in an atom (1) 23 (2) 11 The maximum number of electron | CHEMISTRY (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by n (3) fractional distillat (3) 36.5 (u) n of ²³ ₁₁ X is (3) 34 | (4) kerosene in water (4) atomic mass (4) Glucose tion (4) chromatography (4) 35.5 (u) (4) 12 |
| 115. 116. 117. 118. 119. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H_2SO_4 is (1) 58.5 (u) (2) 98 (u) The number of neutrons in an atom (1) 23 (2) 11 The maximum number of electron atom is | CHEMISTRY (3) oil in water a molecule is known as (3) mole concept nt? (3) Water ed by n (3) fractional distillat (3) 36.5 (u) n of ²³ ₁₁ X is (3) 34 ns that can be accommod | (4) kerosene in water (4) atomic mass (4) Glucose (4) Glucose (4) chromatography (4) 35.5 (u) (4) 12 (4) 12 (4) 12 (4) 12 (4) 12 |
| 115. 116. 117. 118. 119. 120. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H_2SO_4 is (1) 58.5 (u) (2) 98 (u) The number of neutrons in an atom (1) 23 (2) 11 The maximum number of electron atom is (1) 2 (2) 4 | CHEMISTRY (3) oil in water (3) oil in water (3) mole concept (3) Water (3) Water (3) Water (3) 36.5 (u) (3) 34 (3) 34 (3) 8 | (4) kerosene in water (4) atomic mass (4) Glucose tion (4) chromatography (4) 35.5 (u) (4) 12 |
| 115. 116. 117. 118. 119. | Miscible liquid among the following (1) alcohol in water (2) milk The number of atoms constituting (1) valency (2) atomicity Which of the following is an eleme (1) Mercury (2) Ammonia The dyes of an ink can be separate (1) filteration (2) sublimation Molecular mass of H_2SO_4 is (1) 58.5 (u) (2) 98 (u) The number of neutrons in an atom (1) 23 (2) 11 The maximum number of electron atom is | CHEMISTRY (3) oil in water (3) oil in water (3) mole concept (3) Water (3) Water (3) Water (3) 36.5 (u) (3) 34 (3) 34 (3) 8 | (4) kerosene in water (4) atomic mass (4) Glucose (4) Glucose (4) chromatography (4) 35.5 (u) (4) 12 (4) 12 (4) 12 (4) 12 (4) 12 |

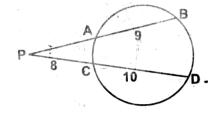
| 122. | Molecular formula of baking | soda is | |
|------|--|--------------------------------|----------------------------|
| | (1) Na ₂ CO ₃ (2) NaC | () | |
| 123. | The Quantum number which | | |
| | (1) Principle quantum number | | |
| 124. | (3) Magnetic quantum numb The valency of the element | () 1 1 | |
| 127. | (1) 2 	(2) 8 | (3) 10 | (4) 0 |
| 125. | The impurity present in the c | | (1) 0 |
| | (1) gangue (2) flux | (3) slag | (4) mineral |
| 126. | The allotrope of Carbon in a | | ollowing is |
| | (1) Diamond (2) Grap | hite (3) buckminster | fullerene (4) Coal |
| | | | |
| | | BIOLOGY | |
| 127. | Choose the correct statemer | nt/statements from the follow | ving. |
| | (A) Blood is a substance whi | | 0 |
| | (B) Lymph is the substance | | • |
| | (C) Blood is a substance wh | | |
| | (D) The liquid portion after fo | | |
| 128. | (1) A, B (2) A, C Which of the following are s | | (4) A, C, D |
| 120. | (A) Carbohydrates (B) Tan | | (D) Gums |
| | (E) Alkaloids | | |
| | (1) A, D (2) B, C | (3) A, D, E | (4) B, D, E |
| 129. | Master gland is controlled by | | |
| | (1) Cerebellum (2) Cere | | (4) Diencephalon |
| 130. | One of the following is a mis | | |
| | · · · | ng dormancy in seeds | |
| | (2) Ethylene - ripenin(3) Auxins - cell elo | | |
| | (4) Abscisic acid - closing | of stomata | |
| 131. | An average Gestation period | | |
| | (1) 290 days (2) 280 | | (4) 300 days |
| 132. | An embryo sac of flowering | | |
| | (1) Eight cells, Seven nuclei | | |
| 133. | (3) Seven cells, Eight nuclei | (4) Eight cells, I | Eight nuclei |
| 155. | Endosperm is (1) 2n (2) 3 n | (3) 4 n | (4) N |
| 134. | Choose the correct statemer | | |
| | (A) Inter phase has three ph | | |
| | (B) Inter phase is the resting | stage between two division | S |
| | (C) Inter phase is the period | 5 | |
| | (D) Inter phase is the active | - | |
| 105 | (1) A, B (2) B, C | | (4) A, C, D |
| 135. | Selective Permeability mean (1) it allows entry of certain s | | |
| | (2) it allows exit of certain su | - | |
| | (3) it allows passage of all so | | |
| | (4) it allows entry and exit of | | vents remaining substances |
| 136. | In which of the following orga | ans, cell division does not ta | ken place? |
| | (1) Bone marrow and Brain. | | g and Bone marrow. |
| | (3) Cancer cells in different of | organs (4) Brain and H | eart. |
| | | | |

| | | TELANGANA ST | | , |
|--------------|--|--|---|--|
| 137. | The plants which h (1) Bryophytes | naving naked seeds (2) Gymnosperms | (3) Angiosperms | (4) Thallphytes |
| 138. | ., | among the following. (2) Stomach | | (4) Lungs |
| 139. | Lenticels are found | d in | | |
| 140. | (A) Leaves Anger is caused by | (2) Flowers y increased levels of | | (4) Stems ne. |
| | (A) Somatotropin | (2) Thyroxine | (3) Testosterone | (4) Adrenaline |
| 141. 142. | | | | n is the sum of the cubes of e sequence? (4) 133 |
| | - , | $127^{x_{124}} = 128$ | | |
| | what is $x_1 \cdot x_2 \cdot x_3 \cdot \dots$ | | | 7 |
| | (1) 2 | (2) $\frac{5}{2}$ | (3) 3 | (4) $\frac{7}{2}$ |
| 143. | | um possible value of | elements in the se | t {- 7,- 5,- 3,- 2,2,4,6,13}. |
| 144. | hat is the greatest | integer k such that 7 | <pre> divides n?</pre> | (4) 40 s and 7 n has 80 divisors. |
| 145. | and E are repla although not neo the numbers a AB, BC, CD, DE a although not neo | (2) 1 star shown, the lett ced by the numbers cessarily in that orde t the ends f the and EA form an arithm cessarily in that orde te arithmetic sequence (2) 10 (4) 12 | 3, 6, 7 and 9 r. The sums of line segments netic sequence er. What is the | |
| 146. | | nsecutive integers is 7 (2) 7 ³ | ⁷⁵ , what their median (3) 7 ² |)? (4) 7 ⁴ |
| 147. | (1) 7 The second and following | fourth terms of geo is a possible first te | metric sequence ar erm? | e 2 and 6. Which of the |
| | (1) - \sqrt{3} | (2) - $\frac{2\sqrt{3}}{3}$ | $(3) - \frac{\sqrt{3}}{3}$ | (4) $\sqrt{3}$ |
| 148. | What is the larges | 0 | 0 | 3) (n+5) (n+7) (n+9) for all |

- 148. What is the largest integer that is a divisor of (n +1) (n+3) (n+5) (n+7) (n+9) for all positive even integers n?
 - (1) 3(2) 5(3) 11(4) 15

| 149 | A regular octago | TELANGANA S n ABCDEFGH has it. What is the area | | A B H C |
|------|---|--|--|---|
| | (1) 1- $\frac{\sqrt{2}}{2}$ | (2) $\frac{\sqrt{2}}{4}$ (4) $\frac{1}{2}$ | | G |
| | (3) √2 - 1 | (4) $\frac{1}{2}$ | | F E |
| 150. | If $log(xy^3) = 1$ and | $log(x^2y) = 1$, then lo | g (xy) =? | |
| | (1) $\frac{3}{5}$ | (2) 0 | (3) $\frac{1}{2}$ | $(4) - \frac{1}{2}$ |
| 151. | If a, b, c, d are pos | sitive real numbers s | uch that a, b, c, d for | rm an increasing arithmetic |
| | sequence and a, b | , d form a geometric | sequence, then $\frac{a}{d}$ is | S |
| | (1) $\frac{1}{12}$ | (2) $\frac{1}{6}$ | (3) $\frac{1}{4}$ | (4) $\frac{1}{3}$ |
| 152. | The sum of 18 con | secutive positive inte value of this sum is | | uare. The smallest possible |
| 153. | (1) 169 The mean, mediar equal is… | (2) 225 n, unique mode and | (3) 289 I range of a collection | (4) 361 on of eight integers are all n element of this collection |
| 154. | (1) 11 | (2) 12 be non-negative inte value of A.M.C + A (2) 62 | - | $\dot{M} + C = 12$; what is the |
| 155. | In triangle ABC, 3 is | $\sin A + 4 \cos B = 6$ | and 4 sin B + 3 cos | A = 1, then $D C$ in degrees |
| 156. | (1) 30 The graph below p(x) | (2) 60 / represents a poly | • • | (4) 120 2 1 |
| | $x^2 - 5x + 6$ | • • • | nomial | |
| | (1) 1 (3) x-1 | (2) 3 (4) 0 | X' < 2 | -1 1 2 3 4 x |
| | | | | +-2 ↓ |
| 157. | If $\sqrt{\log_2 \sqrt{x+2-2}}$ | = 0 then x is equal t | to | |
| 158. | (1) 34 2 ^{3x} = 64 ⁻¹ and 10y (1) 1 | (2) 16 y = 0.01, then the va (2) -1 | (3) 8 lue of (50x) ⁻¹ (10y) ⁻¹ (3) 2 | (4) 12 is (4) -2 |

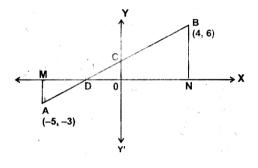
159. PAB, PCD are two secants. AB = 9 cm, PC = 8 cm and CD = 10 cm, then the length of tangent from P to the circle, will be....
(1) 7 cm



(3) 14 cm

160. The join of A(-5, -3) and B(4, 6) intersects the Xaxis at D and the Y-axis at C respectively. AM, BN are perpendiculars on the X-axis. Find the area \triangle AMD: area \triangle DCO.

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



SOCIAL STUDIES

| 161. | Which of the following treaty recognised (1) Treaty of Vienna of 1815. | Greece as an Independent nation? (2) Treaty of Constantinople of 1832. | | | | | | |
|------|--|---|--|--|--|--|--|--|
| | | (4) Treaty of Frankford of 1781. | | | | | | |
| 162. | | | | | | | | |
| 102. | | (3) 1927 (4) 1937 | | | | | | |
| 163. | Who was the author of Hind Swaraj? | (3) 1321 (4) 1331 | | | | | | |
| 100. | (1) Mahatma Gandhi | (2) C.R. Das | | | | | | |
| | (3) Motilal Nehru | (4) Jawahar Lal Nehru | | | | | | |
| 164. | | Congress formalised the demand of 'Puma | | | | | | |
| 104. | Swaraj' or Full Independence for India? | congress formalised the demand of 1 dina | | | | | | |
| | (a) Motilal Nehru | (2) Jawahar Lal Nehru | | | | | | |
| | | (4) Pattabhi Sitaramaiah | | | | | | |
| 165. | United Nations Monetary and Financial C | | | | | | | |
| | | (3) September 1945(4) March 1947 | | | | | | |
| 166. | The East India Company obtained Bomb | | | | | | | |
| | | (3) The French (4) The Portuguese | | | | | | |
| 167. | What does the term "Suffrage" mean? | | | | | | | |
| | (1) Right to Freedom | (2) Right to Live | | | | | | |
| | (3) Right to Education | (4) Right to Vote. | | | | | | |
| 168. | Match list A with B and select the corr | ect answer •from the codes given below the | | | | | | |
| | lists | | | | | | | |
| | (A) | (B) | | | | | | |
| | (A) Kandukuri Veereshalingam | (i) Saudamini. | | | | | | |
| | (B) Ramshankar Ray | (ii) Manjughosha. | | | | | | |
| | (C) Chandu Menon | (iii) Rajashekhara Charitam. | | | | | | |
| | (D) Srinivas Das | (iv) Indulekha | | | | | | |
| | (E) Naro Sadashiv Risbud. | (v) ParikshaGuru. | | | | | | |
| | Codes: | | | | | | | |
| | | (2) a–iii, b–i, c–iv, d–v, e–ii | | | | | | |
| | [16] | | | | | | | |

| | TELANGANA S | Г AGE 1 2016-17 |
|------|--|--|
| | (3) a–iii, b–iv, c–ii, d–v, e–i | (D) a–ii. b–i. c–iv. d–v. c–iii |
| 169. | | ed James Augustus Hickey for starting the |
| | Bengal Gazette, a weekly magazine wa | |
| | (1) Warren Hastings | (2) Lord Cornwallis |
| | (3) Sir John Shore | (4) Lord Wellesly |
| 170. | | e founders of the Khilafat Committee formed in |
| 170. | • | |
| | | the Turkish empire which was perceived as |
| | undermining the position of the Sultan of | |
| | (1) Mohammed Au Jinnah | (2) Maulana Shaukat Au |
| 474 | (3) Muhammed Ali | (4) None of the above |
| 171. | | per of seats reserved for the depressed classes |
| | out of general electorate seats were | |
| | (1) increased | (2) decreased |
| 470 | (3) retained at the same level | (4) abolished |
| 172. | | 1000 |
| | (1) Civil Disobedience Movement | - 1930 |
| | (2) Gandhi-Irwin Pact | - 1931 |
| | (3) Second Round Table Conference | – 1932 |
| | (4) None of the above. | |
| 173. | , | |
| | (1) Jacobins | (2) Napolean Bonaparte |
| 474 | (3) Directory Government | (4) National Assembly |
| 174. | | |
| | (1) Members of Duma. | |
| | (2) The wealthy peasants of Old Russia | |
| | (3) The majority group of Russian Socia | al Democratic Labour party. |
| 475 | (4) Small peasants. | and One wate" |
| 175. | | • |
| | (1) Hitler | (2) Napoleon Bonaparte |
| 470 | (3) Lenin | (4) Benito Mussolini |
| 176. | Which of the following statement is corr | |
| | (1) Over irrigation responsible for degra | |
| | (2) Mining is responsible land degradati | |
| | | son for land degradation in Maharashtra. |
| 477 | (4) All the above. | |
| 177. | Red soil develops on | (2) Delemite reeke |
| | (1) Basalt rocks | (2) Dolomite rocks |
| 170 | (3) Limestone | (4) Crystalline igneous rocks |
| 178. | Initially, Coffee cultivation was introduce | |
| | (1) Baba BudanHills | (2) Naga Hills |
| 170 | (3) Balaghat Range | (4) Nallamala Hills |
| 179. | Which of the following is not correctly m | |
| | (1) Bandavgarh National Park–Madhya(2) Periyar Tiger Reserve – Kerala | FIGUESI |
| | | |
| | (3) Manas Tiger Reserve–Assam | |
| 100 | (4) Buxa Tiger Reserve–Karnataka | d at |
| 180. | The largest Solar energy plant is locate | |
| | | (2) Madhapur in Bhuj. (4) Karba in Madhya Bradash |
| 101 | | (4) Korba in Madhya Pradesh. |
| 181. | residual mass of weathered material? | s formed by decomposition of rocks, leaving a |
| | | (3) Coppor (4) from |
| 182. | (1) Coal (2) Bauxite Which of these is the largest producer of | (3) Copper (4) Iron |
| 102. | [17] Which of these is the largest producer (| J JOWAI! |
| | 11/1 | |

| | TELANGANA STAC | GE 1 2016-17 | |
|------|--|---------------------|----------------------------|
| | () |) Andhra Pradesh | 1 |
| | |) Maharashtra | |
| 183. | Which one of the following minerals is conta | | azite sand? |
| | |) Thorium | |
| | |) Limestone | |
| 184. | Jute textiles are located mainly along the | banks of the rive | r Hugh. Which of these is |
| | not a reason for this? | | |
| | (1) Proximity of the jute producing areas. | | |
| | 2) Abundant sea water for processing raw j | ute. | |
| | (3) In expensive water transport. | | |
| | (4) Cheap labour from West Bengal and ad | | |
| 185. | How many tonnes of Bauxite is needed for | | |
| | (1) 2 to 4 tonnes (2) 2 to 6 tonnes (3) | | (4) 6 to 8 tonnes |
| 186. | When was the Border Road Organisation e | | |
| | |) 1965 | (4) 1970 |
| 187. | , | | |
| | |) Pune | |
| | |) Chennai | |
| 188. | What is River Brahmaputra known as in Ba | | |
| | |) Dihang | (4) Jamuna |
| 189. | Which is the youngest land mass in India? | | |
| | |) Himalayan Mou | |
| 400 | |) Andaman and N | licobar Islands. |
| 190. | | _ | |
| | (1) Greater Himalayas and lesser Himalaya | IS. | |
| | (2) Lesser Himalayas and Sivaliks. | | |
| | (3) Sivaliks and Bhabur.(4) Bhabur and Terai. | | |
| 191. | The President of the World Bank has alwa | vs heen a citizen | of the LIS conventionally |
| 131. | nominated by the | ys been a chizen | or the OS, conventionally |
| | (1) UN Secretary General. | | |
| | (2) Treasure Secretary General of the US (| Government. | |
| | (3) Managing Director, International Moneta | | |
| | (4) President of the European Union | 5 | |
| 192. | Which of the following statements is not con | rrect? | |
| | (1) In Saudi Arabia, a woman does not have | | |
| | (2) In Fiji, the electoral systems is such th | at the vote of an | indigenous Fiji has more |
| | value than that of an Indian - Fijian. | | |
| | (3) In Mexico, during 1930 - 2000 elections | , PRI (Institutiona | I Revolutionary Party) has |
| | been winning through free and fair elections | S. | |
| | (4) None of the above. | | |
| 193. | Using the codes given below the lists, ma | tch list A with lis | t B and select the correct |
| | answer. | | |
| | Α | | В |
| | (a) Garibi Hatao | | n by N.T. Rama Rao in |
| | (b) Save Democracy | 1983. | |
| | (c) Land to the tiller. | | en by Indira Gandhi in |
| | (d) Protect the self respect of the Telugus. | 1971. | |
| | | | n by Janata Party in 1977. |
| | | | Front used this slogan in |
| | | 1977. | |
| | (1) a–ii, b–i, c–iii, d–iv | | |
| | (B) a–iii, b–ii, c–i, d–iv | | |

[18]

(3) a-iii, b-iv, c-ii, d-i

- (D) a-ii, b-iii, c-iv, d-i
- 194. "Kittiko- Hachchiko" movement took place in this state.

(2) Uttarakhand (1) Karnataka (3) West Bengal (4) Rajasthan

195. Which of the following is not a instance of an exercise of a fundamental right?

- (1) Men and women government employees get / the same salary.
- (2) Parents' property is inherited by their children.
- (3) Christian Missionaries set up a chain of missionary schools.
- (4) Workers from Telangana go to Maharasthra to work on the farms.
- 196. Find the one that is wrongly matched.
 - (1) Prime Minister Rozgar Yojana 1993
 - (2) Pradanamantri Gramodava Yojana 2000
 - (3) Mahatma Gandhi Rural Employment Guarantee Act 2005
 - (4) Swarna Jayanti Gram Swarozgar Ypjana -2009
- 197. Which among groups had the highest poverty during 2011-12?
 - (1) Schedule Castes
 - (2) Agricultural Labourers (4) Urban Labourers
- (3) Casual Labourers Who avail benefits under Antyodaya Anna Yojana? 198.
 - (1) Indigent Senior citizens (2) Backward blocks
 - (3) Poorest of the poor
- (4) All the above.
- Which of the following neighbouring countries has better performance in terms of life 199. expectancy at birth than India? (4) Srilanka (3) Myanmar
 - (2) Nepal (1) Pakistan
 - The founder of "Grameen Bank of Bangladesh" is
 - (1) Professor Mohammad Yunus
 - (3) Sheik Mujibir Rahman

200.

- (2) Khaleda Zia
 - (4) Maulana Abdul Hamid Kha'n

Telangana NTSE Stage 1 Answer Keys (Exam Date: 6/11/2016)

MAT

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

ENGLISH

| 51. | 2 | 52. | 2 | 53 | 2 | 54 | 2 | 55 | 3 |
|-----|-----|-----|---|----|---|----|---|-----|---|
| 56 | 3 | 57 | 4 | 58 | 4 | 59 | 1 | 60 | 2 |
| 61 | 1 | 62 | 3 | 63 | 1 | 64 | 2 | 65 | 2 |
| 66 | 4 | 67 | 4 | 68 | 1 | 69 | 4 | 70 | 3 |
| 71 | 4 | 72 | 3 | 73 | 2 | 74 | 3 | 75 | 1 |
| 76 | 3/4 | 77 | 3 | 78 | 1 | 79 | 4 | 80 | 2 |
| 81 | 4 | 82 | 2 | 83 | 3 | 84 | 2 | 85 | 3 |
| 86 | 1 | 87 | 2 | 88 | 3 | 89 | 4 | 90 | 1 |
| 91 | 3 | 92 | 1 | 93 | 2 | 94 | 4 | 95 | 2 |
| 96 | 3 | 97 | 2 | 98 | 1 | 99 | 1 | 100 | 3 |

| 101 | 1 | 102 | 2 | 103 | 3 | 104 | 4 | 105 | 2 |
|------|---|------|-------|-------|--------|------|---------|-----|---|
| 106 | 1 | 107 | 4 | 108 | 2 | 109 | 2/bonus | 110 | 3 |
| 111 | 1 | 112 | 2 | 113 | 1 | 114 | 1 | 115 | 2 |
| 116 | 1 | 117 | 4 | 118 | 2 | 119 | 4 | 120 | 3 |
| 121 | 2 | 122 | 3 | 123 | 1 | 124 | 4 | 125 | 1 |
| 126 | 4 | 127 | 3 | 128 | 4 | 129 | 4 | 130 | 1 |
| 131 | 2 | 132 | 3 | 133 | 2 | 134 | 3 | 135 | 4 |
| 136 | 4 | 137 | 2 | 138 | 3 | 139 | 4 | 140 | 4 |
| | | | | MATHE | MATICS | | | | |
| 141. | 3 | 142. | 4 | 143 | 3 | 144 | 3 | 145 | 4 |
| 146 | 2 | 147 | 2 | 148 | 4 | 149. | 4 | 150 | 1 |
| 151 | 3 | 152 | 2 | 153 | 2 | 154 | 1 | 155 | 1 |
| 156 | 4 | 157 | Bonus | 158 | 2 | 159 | 2 | 160 | 2 |

Physics (101- 113); Chem (114-126); Bio(127 – 140)

| | SOCIAL | | | | | | | | |
|-----|--------|-----|---|-----|---|-----|----------|-----|---|
| 161 | 2 | 162 | 1 | 163 | 1 | 164 | 2 | 165 | 1 |
| 166 | 4 | 167 | 4 | 168 | 2 | 169 | 1 | 170 | 1 |
| 171 | 3 | 172 | 3 | 173 | 1 | 174 | 2 | 175 | 1 |
| 176 | 4 | 177 | 4 | 178 | 1 | 179 | 4 | 180 | 2 |
| 181 | 2 | 182 | 4 | 183 | 2 | 184 | 3 | 185 | 3 |
| 186 | 2 | 187 | 2 | 188 | 4 | 189 | 2 (or 1) | 190 | 2 |
| 191 | 2 | 192 | 3 | 193 | 4 | 194 | 1 | 195 | 2 |
| 196 | 4 | 197 | 1 | 198 | 3 | 199 | 4 | 200 | 1 |
