

# INTERNATIONAL SCHOLASTIC TALENT TEST(ISTT) 2016

## STD 8

Max. Marks: 100  
Time: 2 Hrs.

Code No: F/080/16

Name:..... Reg. No:.....

All the answers should be marked in the answer sheet only.

Select the most suitable answer from the following options and write A,B,C or D in the answer sheet.

(All the questions carry 2 marks each)

1. Who is the present Minister for Agriculture of Kerala State?

- A. Prof. Ravindranath
- B. Dr. K.T. Jaleel
- C. Mr. V.S. Sunilkumar
- D. Mr. A.K. Sasindran

2. Who among the following is known as Frontier Gandhi?



3. Technology is

- A. Natural resource
- B. Human resource
- C. Man-made resource
- D. None of these

4. In which house of parliament is money bills passed?

- A. Rajya Sabha
- B. Lok sabha
- C. Both the houses together
- D. Supreme court

5. Which of the following is an ore of iron?

- A. Bauxite
- B. Magnesite
- C. Ilmenite
- D. Magnetite

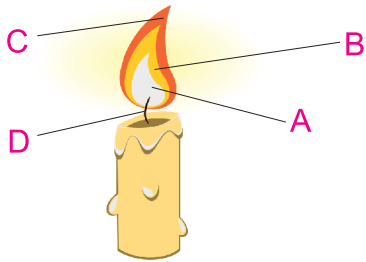
6. Why is the year 1757 very important for British India?

- A. Battle of Buxar
- B. Anglo-Mysore war
- C. Battle of Plassy
- D. Carnatic war

7. 'It is better to live a day as a tiger than a whole life time as a sheep'.  
Whose words are these?



8. What was the court language of Mughals?  
 A. English  
 B. Urdu  
 C. Hindi  
 D. Persian
9. Which statement is true for the division of rational numbers?  
 A. It follows closure property  
 B. It is the inverse of multiplication  
 C. It follows associative property  
 D. It can be performed by zero
10. What is the next number in the series?  
 8, 27, 64, .....?  
 A. 125  
 B. 216  
 C. 343  
 D. 724
11.  $(4a^2 - 64) \div (2a + 8)$  is  
 A.  $2a - 4$   
 B.  $2a^2 + 4$   
 C.  $2a - 8$   
 D.  $2a$
12. What is the magic sum of a 3x3 matrix whose middle number is 40?  
 A. 130  
 B. 120  
 C. 140  
 D. 150
13. Which is the hottest part of the flame?



- A. Innermost zone  
 B. Middle zone  
 C. Outermost zone  
 D. Near the wick

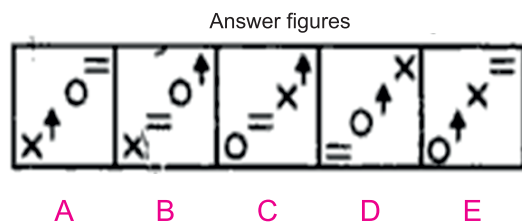
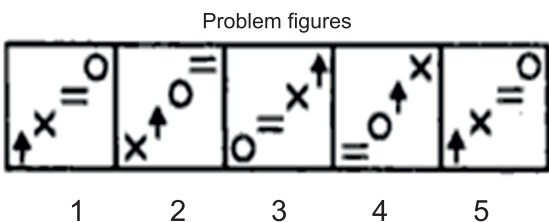
14. Which of these actions produce oxygen?  
 A. heating of calcium carbonate  
 B. heating sodium nitrate  
 C. heating calcium sulphate  
 D. heating lead sulphide
15. Meteorites usually burn in  
 A. Stratosphere  
 B. Troposphere  
 C. Mesosphere  
 D. Ionosphere
16. Which of the following has the highest refractive index?  
 A. Water  
 B. Kerosene  
 C. Crown glass  
 D. Diamond
17. Identify Euglena among the following.



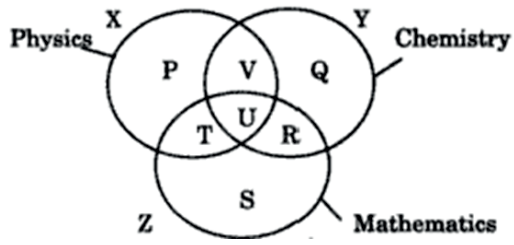


**Mental Ability and Logical Reasoning.**

31. If Soldier : Army, then Pupil : .....
- A. Education      B. Teacher      C. Student      D. Class
32. A cube whose one side is 8cm is divided into 64 small cubes of equal size. The side of the small cube will be
- A. 1 cm      B. 2 cm      C. 4cm      D. 0.05cm
33. A and B can do a piece of work in 12 days, B and C in 15 days, C and A in 20 days. In how many days will the job be finished, if A,B and C work together?
- A. 10 days      B. 15 days      C. 8 days      D. 16 days
34. If in a certain language FASHION is coded as FOIHSAN, how is PROBLEM coded in that language?
- A. ROBLEMP      B. PELBORM      C. PRBOELM      D. RPBOELM
35. Pointing to a photograph a man tells his friend. ' she is the daughter of the only son of my father's wife".How is the girl in the photograph related to the man?
- A. Daughter      B. Cousin      C. Mother      D. Sister
36. If orange is called butter, butter is alled soap, soap is called ink, ink is called honey, and honey is called orange, which of the following is used for washing clothes?
- A. Honey      B. Butter      C. Orange      D. Ink
37. In a certain code '256' means 'you are good', '637' means 'we are bad' and '358' means 'good and bad'. Which of the following represents 'and' in that code?
- A. 2      B. 5      C. 8      D. 3
38. A man is facing north-west. He turns  $90^\circ$  in the clockwise direction, then  $180^\circ$  in the anticlockwise direction and another  $90^\circ$  in the same direction. Which direction is he facing now?
- A. South      B. South-west      C. West      D. South-east
39. Select the figure that continues the problem figures

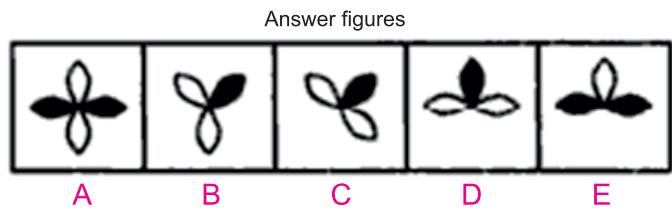
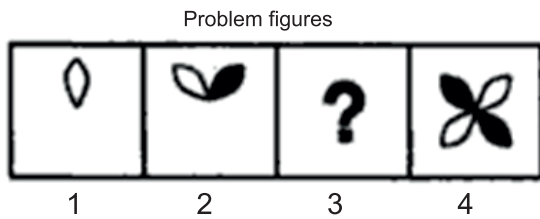


40. The diagram below represents the students who study physics, chemistry and mathematics. Study the diagram and identify the region which represents the students who study physics and mathematics but not chemistry.

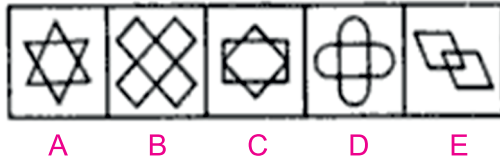


- A. T                      B. P+T+ S  
C. V                      D. P+T+S+R+U+V

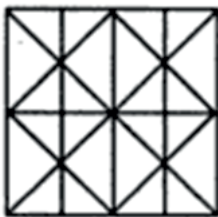
41. Select from the answer figures the one that replaces the question mark to complete the series.



42. One figure is different from others. Select it.

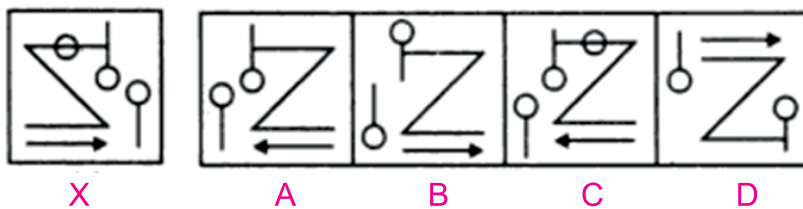


43. What is the number of straight lines in the following figure?



- A. 11                      B. 14                      C. 16                      D. 17

44. Which is the mirror image of the figure 'X'?



## Comprehension.

All open wounds are vulnerable to contamination by micro-organisms known as germs. These can come from the wounding source, from the air, from the breath or the fingers, or from particles of clothing embedded in a wound (such as with a gunshot wound). Bleeding flushes some of the dirt away and remaining germs may be destroyed by the white blood cells.

If dirt or dead tissue remain, there may be serious consequences. Germs can multiply and spread infection through the body (septicaemia), or tetanus infection can develop. A casualty with heavily contaminated or susceptible wounds may need antibiotics or anti tetanus injections. Wounds that do not begin to heal within 48 hours should be considered to be infected. In these cases, there may also be fever.

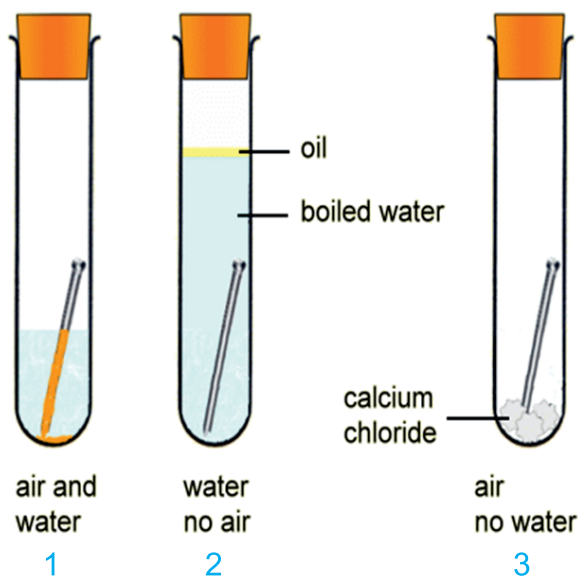
Tetanus is a dangerous infection that can develop if tetanus germs enter a wound. These germs are carried in the air and in soil as spores. When present in damaged and swollen tissues, they may release a poisonous substance (toxin) that spreads through the nervous system causing muscle spasms and paralysis. Tetanus is very difficult to treat but can be prevented by immunization.

## Questions.

45. Which of the following cannot be a source of micro organism?
- A. A blade.
  - B. Particles of clothing.
  - C. A solution of dettol.
  - D. Surrounding air.
46. What conclusion you can make if the wound do not heal within 48 hours?
- A. The germs are destroyed by white blood cells.
  - B. Bleeding has flushed most of the microorganisms.
  - C. Anti tetanus injection has started working.
  - D. The wound is infected.
47. Which statement is true about tetanus?
- A. Toxins are produced by germs.
  - B. Tetanus can be treated easily.
  - C. Immunization is not effective for tetanus.
  - D. Antibiotics are not useful for treating tetanus.
48. How do tetanus germs reach the host?
- A. Through mosquitoes.
  - B. They remain in soil in the form of spores.
  - C. Through drinking water.
  - D. Through swollen tissues.

### Activity.

Haiza conducted the following experiments to find out different factors that help the rusting of iron. In the first test tube a nail is placed with some water in it. In the second test tube a nail is immersed in boiled water and a layer of oil is placed over water. The third test tube contains anhydrous calcium chloride and the nail is placed in it. They are kept for many days. Answer the questions that follow.



49. Rusting will take place in which of the following test tubes?

- A. 1, 2 and 3
- B. 1 and 2 only
- C. 1 and 3 only
- D. 1 only

50. Which of the following statements is not true ?

- A. Rusting is an oxidation reaction
- B. Salt water accelerates rusting
- C. Rusting is slow near sea shore
- D. Rust is hydrated iron(III) oxide

# INTERNATIONAL SCHOLASTIC TALENT TEST(ISTT) 2016

## Answer Sheet STD 8

Name: .....Reg. No : .....

School : .....

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



