



# INTSO EDUCATION

## SCIENCE TALENT SEARCH OLYMPIAD (STSO) 2016-17

STAGE - 1

TIME : 60 min.

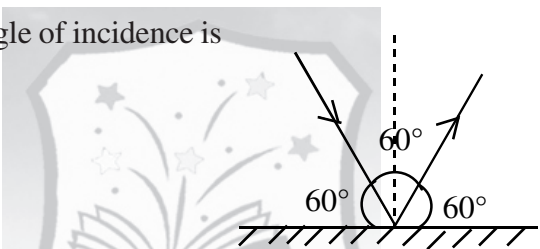
CLASS : VI

Max. Marks : 50

### Instructions:

- ⇒ Fill the OMR sheet completely and carefully.
- ⇒ Each question carries one mark and has only one correct answer. No negative marks
- ⇒ The question paper contains 50 questions to be answered in 60 minutes.

### PHYSICS

1. One centimetre on a scale is divided into 20 equal divisions. Then the length of each division is  
1) 20 cm                      2) 1 mm                      3) 0.1 mm                      4) 0.5 mm                      [   ]
2. Density of iron is  $8.5 \text{ g cm}^{-3}$ , then its density in SI system is                      [   ]  
1)  $8500 \text{ kg m}^{-3}$                       2)  $850 \text{ kg m}^{-3}$                       3)  $8.5 \text{ kg m}^{-3}$                       4)  $85 \text{ kg m}^{-3}$
3. For the given diagram, the angle of incidence is                      [   ]  
1)  $30^\circ$   
2)  $60^\circ$   
3)  $90^\circ$   
4)  $180^\circ$   

4. The beam of light coming from the head light of your car is                      [   ]  
1) Parallel beam                      2) Perpendicular beam                      3) Divergent beam                      4) Convergent beam
5. When the electric cells are connected in series, the current out put of the combination is [   ]  
1) Increases                      2) Decreases                      3) Remains same                      4) Some times decreases
6. The device which is used to detecting the flow of an electric current in a circuit                      [   ]  
1) Ammeter                      2) Voltmeter                      3) Battery                      4) Galvanometer
7. The magnetic field around the magnet is                      [   ]  
1) One dimensional                      2) Two dimensional                      3) Three dimensional                      4) None of these
8. Two plane mirrors are inclined at an angle of  $0^\circ$ . The number of images of an object placed in between them will be                      [   ]  
1) 11                      2) 7                      3) 5                      4) infinite
9. The length of a school compound is 350 m and breadth is 245 m. The area of the school compound in hectares is                      [   ]  
1) 8.57                      2) 85.75                      3) 0.8575                      4) 8.575
10. The device which is used to measure the area of irregular shaped object is                      [   ]  
1) Vernier caliper                      2) Screw gauge                      3) Graphpaper                      4) Metre scale
11. If 2A of current flows through a conductor, the charge that flows in half minute is                      [   ]  
1) 12 C                      2) 120 C                      3) 60 C                      4) 16 C
12. Magnetic lines of forces are                      [   ]  
1) Starts from north and ends at south                      2) Starts from south and ends at north  
3) Closed loops                      4) Not present at inside the magnet

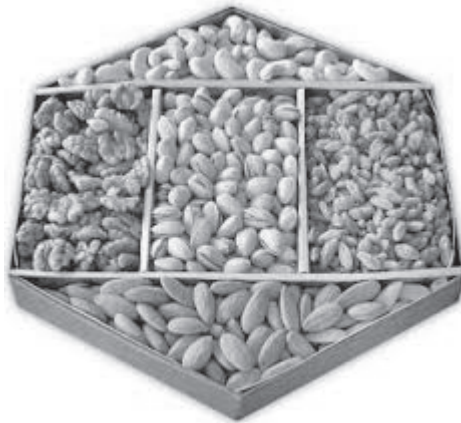


31. The change of state from liquid to solid is called [ ]  
 1) Condensation      2) Evaporation      3) Solidification      4) Sublimation
32. In summer season what happen to railway tracks [ ]  
 1) Expand      2) Not expand      3) Conjusted      4) Melted
33. Which of the following is not a physical change [ ]  
 1) Tearing of paper      2) Formation of curd      3) Melting of ice      4) Dissolution of sugar
34. Among the following, the element with odd atomic number is [ ]  
 1) Al      2) Ne      3) Mg      4) C

## BIOLOGY

35. Sujatha is eating fruits then she doubts what is the sugar present in fruits. Ravi said her it is called fruit sugar which is the sweetest of all sugars. What is it [ ]  
 1) Glucose      2) Fructose      3) Sucrose      4) Maltose
36. Skin of the human being is a habitat for the following organisms [ ]  
 1) Yeast      2) *Ascaris*      3) Itchmite      4) *Wuchereria*
37. Mountains provide habitat for terrestrial animals like [ ]  
 a) Mammals      2) Reptiles      3) Birds      4) Amphibians  
 Identify the correct combination.  
 1) a, b, c      2) b, c, d      3) a, d      4) a, b, c, d
38. Identify the zone of pond ecosystem where the conditions are available with [ ]  
 (i) Plenty of dead and decaying matter  
 (ii) Minimum light availability  
 1) Mid water      2) Bottom of pond      3) Pond margins      4) Pond surface
39. Identify the organism which lives completely in marine habitat [ ]  
 1) Starfish      2) Fish      3) Frog      4) Snail
40. From the given list of ecosystems, identify the man made terrestrial habitats [ ]  
 I) Garden      II) Park      III) Crop field  
 IV) Forest      V) Aquarium      VI) Zoo  
 The correct combination is  
 1) I, II, III, IV, V      2) I, II, III, V, VI      3) I, II, III, VI      4) I, II, III, IV, VI
41. Pick the odd one in its way of food collection [ ]  
 1) Frog      2) Dog      3) Rat      4) Lizard
42. Identify condiments / spices among the following [ ]  
 1) Elaichi      2) Pepper      3) Coriander seeds      4) Mustard  
 5) Rice      6) Potato  
 1) 1, 2, 4, 5, 6      2) 1,2,3, 4,5      3) 2, 3, 4, 6      4) 1, 2, 3, 4
43. Which of the following has Anti - histamine and anti - oxidant properties [ ]  
 1) Potato      2) Onion      3) Rice      4) All the above
44. The organisms which feed on herbivores can be taken as food by \_\_\_\_\_ [ ]  
 1) Herbivores      2) Carnivores      3) Omnivores      4) Scavengers
45. Identify the organism which uses echo - location to track down its food [ ]  
 1) Vulture      2) Bat      3) Dog      4) Frog

46. Which type of beak is present in Wood pecker [    ]  
 1) Long, hooked      2) Short, hooked      3) Strong, hooked      4) Long, strong
47. Identify the herbivore [    ]  
 1) Bear      2) Snakes      3) Mule deer      4) Cockroaches
48. Tomatoes are rich in vitamin [    ]  
 1) A      2) C      3) K      4) D
49. Identify the correct statements regarding the given picture [    ]



- I. They grow in particular places only  
 II. They are expensive  
 III. They are nutritionally less important  
 IV. They are available in large quantities.

- 1) I, II      2) I, II, III      3) I, II, IV      4) I, II, III, IV

50. Idly can be prepared by [    ]  
 1) Fermentation, Boiling      2) Steaming, Boiling  
 3) Fermentation, Frying      4) Fermentation, Steaming

