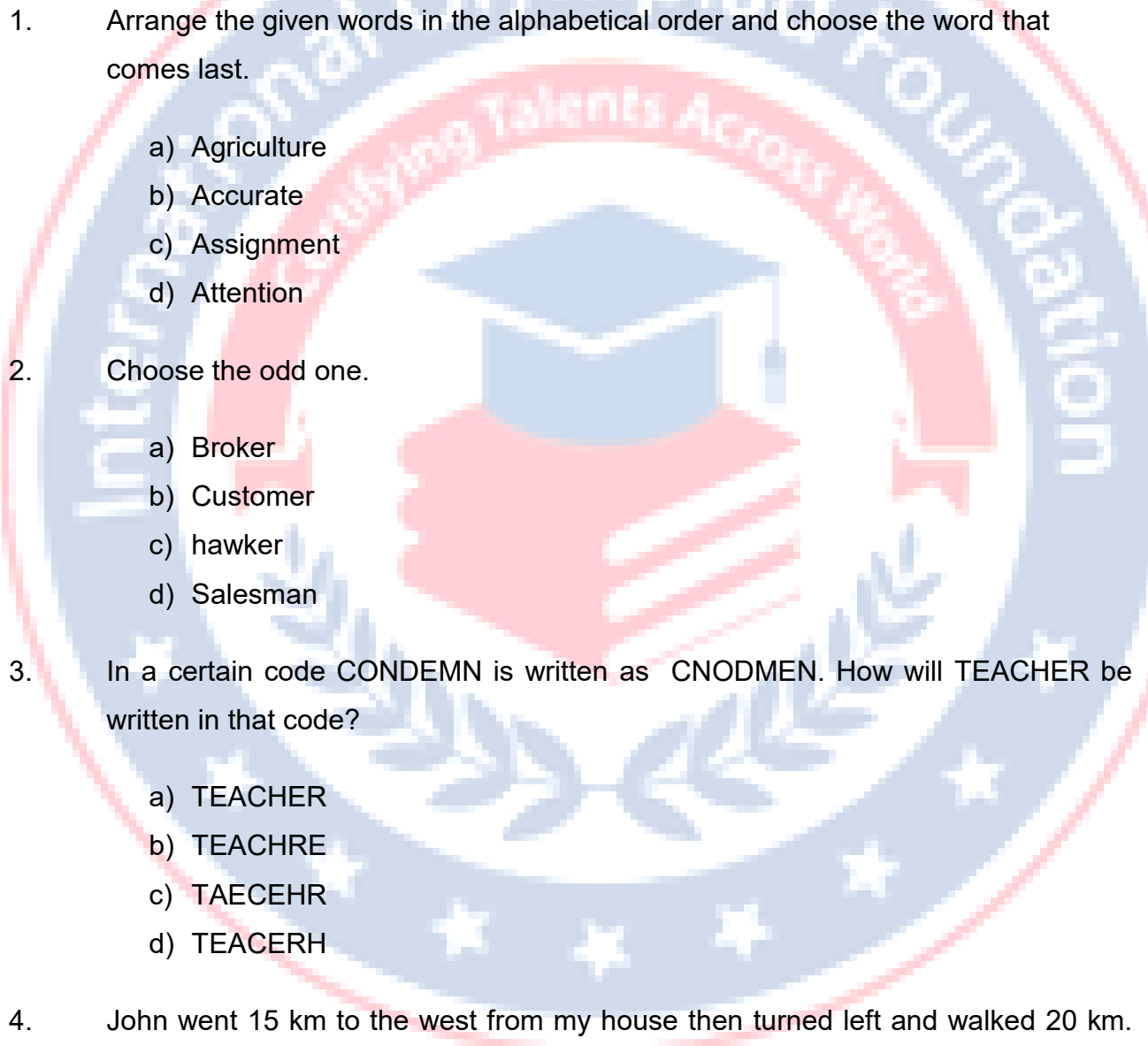


**International Foundation Science Olympiad(IFSO)  
CLASS 8  
WORKSHEET – 1**

**SECTION-A ( Logical Reasoning )**

- 
1. Arrange the given words in the alphabetical order and choose the word that comes last.
- a) Agriculture
  - b) Accurate
  - c) Assignment
  - d) Attention
2. Choose the odd one.
- a) Broker
  - b) Customer
  - c) hawker
  - d) Salesman
3. In a certain code CONDEMN is written as CNODMEN. How will TEACHER be written in that code?
- a) TEACHER
  - b) TEACHRE
  - c) TAECEHR
  - d) TEACERH
4. John went 15 km to the west from my house then turned left and walked 20 km. He then turned East and walked 25 km. And finally turning let and walked 20 km. How far is he from his house?
- a) 10 km
  - b) 15 km

- c) 20 km
- d) 40 km

5. Find the next term in the following terms.

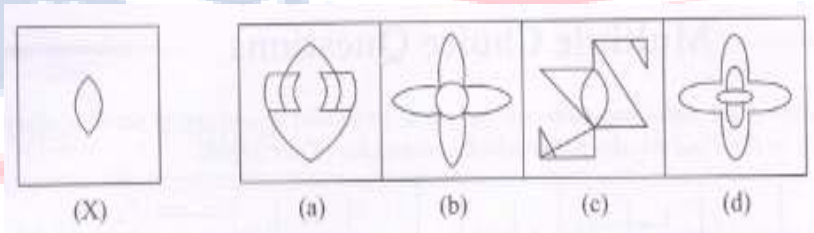
12 ,23 , 45, 78, 112, ?

- a) 165
- b) 166
- c) 167
- d) 168

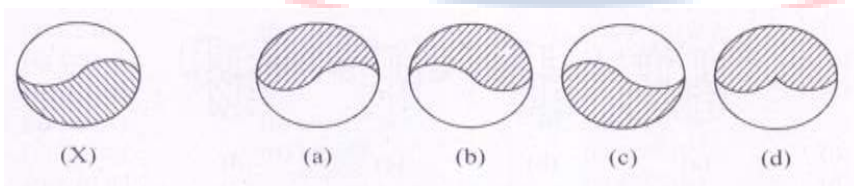
6. What is the product of sum of even digits and sum of odd digits in the number 8 6 7 4 3 5 2?

- a) 180
- b) 250
- c) 280
- d) 300

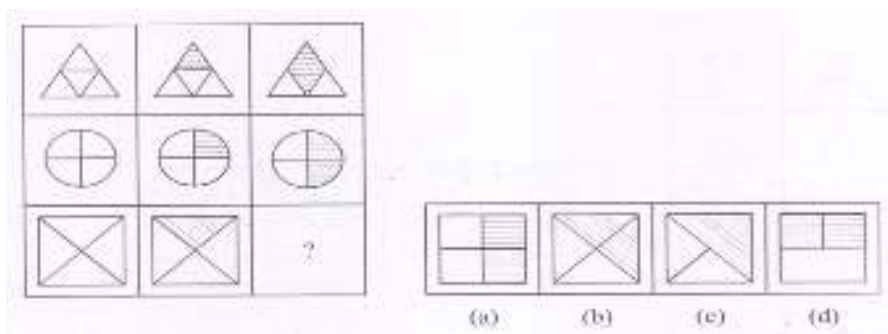
7. In each of the following questions. fig (X) is embedded in any one of the four alternative figures (a), (b), (c) or (d). Find the alternative which contains fig. (X) as its part.



8. In the following questions, choose the correct water image of the figure (X) from the given four alternatives.



9. In the following questions, study the given matrix, and find the correct option for the question mark form the given four options.



10. 
$$\begin{array}{c} 134 \\ \swarrow \quad \searrow \\ 102 \quad 227 \\ \swarrow \quad \searrow \\ 8 \quad 21 \end{array} \quad \begin{array}{c} 143 \\ \swarrow \quad \searrow \\ 198 \quad 154 \\ \swarrow \quad \searrow \\ ? \end{array}$$

- a) 11
- b) 12
- c) 13
- d) 14

## SECTION-B ( Day to Day Science )

11. Disadvantage of friction is that
- a) we can write on paper
  - b) we are able to walk
  - c) we can stop a moving vehicle
  - d) the parts of machine wear and tear
12. Diffused reflection occurs if a ray of light is reflected by a
- a) concave mirror
  - b) convex mirror
  - c) plane mirror
  - d) rough surface

13. An object vibrates with a frequency of 15 Hz. Which of the following is true?
- a) It produces sound which we can hear if we strain our ears
  - b) It produces sound which we can hear
  - c) It produces sound which we cannot hear
  - d) It does not produce a sound
14. To make an electric current flow, two components are necessary. First is the circuit and the second is
- a) electrodes
  - b) electrons
  - c) electromotive force (emf)
  - d) metal
15. Which of these is the largest planet of the solar system?
- a) Jupiter
  - b) Saturn
  - c) Uranus
  - d) Venus
16. The instrument used for detecting and measuring charge is called
- a) ammeter
  - b) electroscope
  - c) electrometer
  - d) seismometer
17. Metal are:
- a) Semiconductor of heat and electricity
  - b) Good conductor of heat and electricity
  - c) Bad conductor of heat and electricity
  - d) Good conductor of heat but bad conductor of electricity

18. To extinguish a flame, which of these methods is used?
- a) cut the air supply
  - b) reduce temperature below ignition temperature
  - c) remove the combustible matter
  - d) any one of these
19. Terylene, Terene and Dacron are different types of which fibre?
- a) Polyester
  - b) Rayon
  - c) Nylon
  - d) None of these
20. Which of these is not present in animal cells?
- a) Plastid
  - b) Large vacuoles
  - c) Cell wall
  - d) All of these
21. Which of the following increase the fertility of soil?
- a) Rod-shaped
  - b) Spherical
  - c) Spiral
  - d) Any of these shapes
22. Which one of these is not a type of fertilizer?
- a) nitrogenous fertilizer
  - b) phosphate fertilizer
  - c) potassic fertilizer
  - d) none of these

23. Forests can be conserved by way of
- Planned harvesting of trees
  - afforestation and control of overgrazing
  - protection from fire, pests and insect
  - all of these
24. Biological pollution in water is caused by
- coal mines
  - domestic sewage and animal excreta
  - chemical effluents from factories
  - oil spills
25. Which of these is not asserted in the cell theory?
- Cells are the basic structural units of a living organism.
  - All cells are identical in shape and size
  - New cells are formed due to division in odd cells
  - The way an organism functions depends on the way the cells work

**ANSWER IFSO CLASS 8 – WORKSHEET - 1**

1	D	2	B	3	C	4	A	5	C	6	D	7	C	8	B	9	B	10	A
11	D	12	D	13	C	14	C	15	A	16	B	17	B	18	D	19	A	20	D
21	D	22	D	23	D	24	B	25	B										