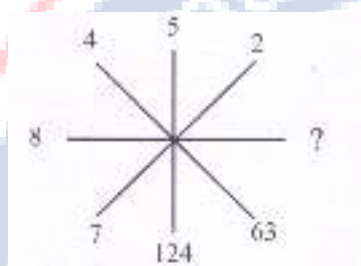


International Foundation Science Olympiad(IFSO)
CLASS 7
WORKSHEET – 5

SECTION-A (Logical Reasoning)

1. Choose the appropriate number which follows the given pattern.



- a) 512
b) 511
c) 513
d) 514
2. In the following question, a number series is given with one missing term. Choose correct alternative that will continue the same pattern and fill in the blank spaces.

24, 60, 120, 210, _____

- a) 300
b) 336
c) 420
d) 525

3. In the following questions, an alphabet series is given with one missing term. Choose correct alternative that will continue the same pattern and fill in the blank spaces.

AB, DEF, HIJK, ?, STUVWX

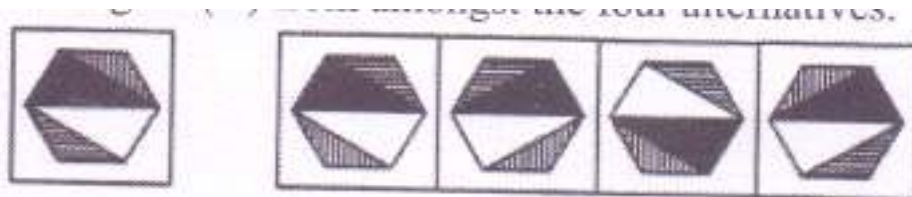
- a) LMNO
b) LMNOP
c) MNOPQ
d) QRSTU
4. Choose the odd one out.
- a) PEAR
b) TORE
c) REAP
d) TEAR
5. In a code language, STARK, is written as LBFMG and MOBILE is written as TNRSPJ. How is BLAME written in that code?
- a) TSFGJ
b) TSFRJ
c) RPETJ
d) NJFTP
6. Choose the alternative which closely resembles the water-image of the given combination.

CHICK

(A) CHICK
(C) KCIHC

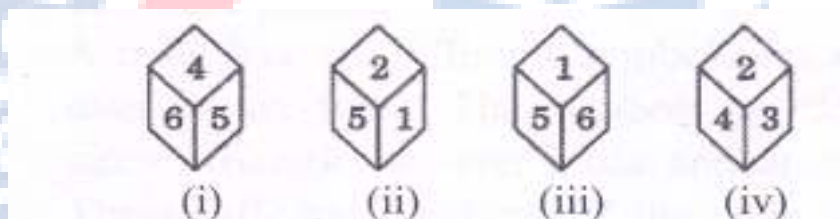
(B) CHICK
(D) CHICK

7. Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



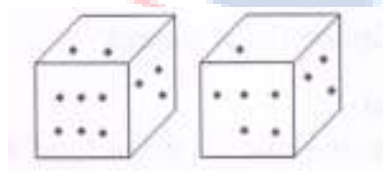
- a) 1
- b) 2
- c) 3
- d) 4

8. Which number is on the face opposite 4, if the four different positions of a dice are as shown in the figure given below.



- a) 5
- b) 3
- c) 2
- d) 1

9. Two positions of a dice are shown below. How many points will be on the top when 2 points are at the bottom?



- a) 6
- b) 5
- c) 4
- d) 1

10. Shyam walks 5 km towards East and then turns left and walks 6 km. Again he turns right and walks 9 km. Finally he turns to his right and walks 6 km. How far is he from the starting point?
- a) 26 km
 - b) 21 km
 - c) 14 km
 - d) 9 km

SECTION-B (Day to Day Science)

11. Which of the following shows a motion in a straight line?
- a) apple falling from the tree
 - b) tree swaying
 - c) child on a merry-go-round
 - d) none of these
12. When the two terminals of a cell are connected directly with a wire, then:
- a) no current flows
 - b) the chemicals gets used up very fast
 - c) more electrical energy is stored in the cell
 - d) the cell explodes
13. Which one of the following statements is correct about air?
- a) air is made of gases
 - b) warm air rises up
 - c) air blows from high pressure area to low pressure area
 - d) all of these

14. Acids are formed when
- a) metals combine with oxygen
 - b) oxides of non metals dissolved in water
 - c) metals react with water
 - d) bases dissolved in water
15. The process of separating a pure substance in the form of crystals from the hot saturated solution by cooling is called
- a) distillation
 - b) crystallization
 - c) condensation
 - d) evaporation
16. The adaptation mechanism of chameleon is ____
- a) to develop scaly skin on its body to maintain moisture
 - b) to migrate to long distance in the winter
 - c) changing colours to suit on its body to maintain moisture
 - d) to hibernate in the winter
17. In which of the following process threads are taken out from the cocoons?
- a) shearing
 - b) spinning
 - c) scorching
 - d) reeling
18. The study of teeth is called
- a) dentistry
 - b) neurology
 - c) cardiology
 - d) dermatology

19. In cockroach the tracheal system opens in the outside through
- a) anus
 - b) mouth
 - c) stigmata
 - d) dorsal pores
20. Blood from the left ventricle is pumped to
- a) left auricle
 - b) right auricle
 - c) all parts of the body
 - d) lungs
21. The male gamete in plants is called
- a) testis
 - b) semen
 - c) pollen grain
 - d) spores
22. The seeds of _____ fruit are dry and dispersed by explosion due to the touch of our hands.
- a) cucumber
 - b) xanthium
 - c) balsam
 - d) calotropis
23. Which one of the following is not a forest product?
- a) soil
 - b) Lac
 - c) fodder
 - d) timber

24. Which one of the following statements is correct?

Statement 1: An underground pipe which carries away dirty drainage water is called sewer.

Statement 2: The wastewater treatment plant is also called sewage treatment plant

- a) Statement 1
- b) Statement 2
- c) Both statements are correct
- d) Both statements are incorrect

25. When you put a candle in a vessel and heat the vessel, you will observe that the candle does not burn, it changes its shape and state. What kind of change is this?

- a) Physical change
- b) Chemical change
- c) Naturalisation
- d) None of these

ANSWER IFMO CLASS 7 – WORKSHEET - 5

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