



## World Science Olympiad (WSO)

**Standard: VI**

### Instructions:

*There are three Sections and total 40 questions.*

*Attempt all the questions.*

*There is no negative marking for the wrong answers.*

*Time: 90 minutes*

## Doers Section

No. of Questions:30

Marks for each Question: 2

1. The skull in the human body is for the protection of:

- a. neck
- b. stomach
- c. brain
- d. eyes

2. Those flowers which have both segments and pistils falls in the category of:

- a. unisexual
- b. bisexual
- c. rose
- d. all of the above

3. Things expands on:

- a. cooling
- b. heating and then extreme cooling
- c. cutting
- d. heating

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4. A mixture of salt and water can be separated using

- a. condensation
- b. magnets
- c. evaporation
- d. none of the above

5. Which of the following substance dissolve in water?

- a. salt
- b. kerosine oil
- c. wax
- d. all of the above

6. From which part of the plant Jute is obtained?

- a. leaves
- b. branch
- c. stem
- d. root

7. Which of the following is made up of carbon, hydrogen and oxygen only?

- a. protein
- b. carbohydrate
- c. vitamins
- d. fat

8. Bees collect nectar from:

- a. vegetable
- b. fruits
- c. flower
- d. none of these

9. Which of the following is an aquatic animal?

- a. horse
- b. seahorse
- c. elephant
- d. none of the above

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10. What is the SI unit of length?

- a. centimetre
- b. metre
- c. kilometre
- d. feet

11. Objects which allow light to pass through them partially are known as:

- a. translucent
- b. transparent
- c. opaque
- d. luminous



12. The electronics devices used to either break or complete the circuit is known as:

- a. fan
- b. bulb
- c. wire
- d. switch

13. How many poles does a magnet have?

- a. two: North and South
- b. two: East and West
- c. one: North
- d. one: East

14. If it does not rain, it leads to:

- a. flood
- b. drought
- c. rain
- d. none of these

15. Choose the wrong statement:

- a. Air has mass.
- b. Air exerts pressure.
- c. Air occupies space.
- d. Air does not have mass.

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16. An area where the garbage is collected from a city or town is dumped is known as:

- a. field
- b. dustbin
- c. landfill
- d. all of the above



17. Animals which eat both plants, as well as other animals, are known as:

- a. herbivores
- b. carnivores
- c. omnivores
- d. all of the above

18. Which of the following does not fall in the category of nutrients?

- a. milk
- b. vitamins
- c. protein
- d. fats

19. Which of the following is not a synthetic fibre?

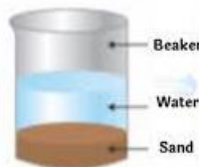
- a. polyester
- b. cotton
- c. nylon
- d. acrylic

20. Which of the following is not a translucent material?

- a. frosted glass
- b. butter paper
- c. stone
- d. tissue

21. When a mixture of water and soil is left undisturbed for some time, then heavier soil particles settle at the bottom. This process is known as:

- a. Filtration
- b. Condensation
- c. Evaporation
- d. Sedimentation



22. Which of the following is not an irreversible change?

- a. melting of ice
- b. burning of wax
- c. formation of curd from milk
- d. rusting of iron

23. Plants with weak stems that cannot stand upright but spread on the ground are called:

- a. creepers
- b. climbers
- c. trees
- d. all of the above

24. How many vertebrae are the backbone made up of?

- a. 23
- b. 33
- c. 43
- d. 53

25. Which of the following is not an abiotic component of the habitat?

- a. rocks
- b. soil
- c. air
- d. plant

26. Which of the following is not a periodic motion?

- a. revolution of the earth
- b. swinging pendulum
- c. motion of a car on the road
- d. all of the above

27. Objects which emit light on their own are known as:

- a. bright object
- b. luminous object
- c. Sun
- d. mirror



28. The bulb glows when the circuit is:

- a. open
- b. closed
- c. luminous
- d. heated

29. Find the next number in the series.

1, 2, 3, 5, 8, \_

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

30. Choose the odd one out

**Iron, Nickel, Copper, Cobalt**

- a. Iron
- b. Nickel
- c. Copper
- d. Cobalt

## Executors Section

No. of Questions: 5

Marks for each question: 3

31. When dilute iodine solution is added to a food item containing starch its colour changes to:

- a. blue-black
- b. green
- c. reddish brown
- d. none of the above

32. The process of making yarn from fibres is called:

- a. weaving
- b. spinning
- c. knitting
- d. sorting



33. How many ribs are present on each side of the chest?

- a. 12 on left side and 14 on right side
- b. 14 on right side and 12 on left side
- c. 12 on each side
- d. 14 on each side

34. Choose the correct statement.

- a. Deer is the predator and lion is the prey.
- b. Both deer and lion are prey to each other.
- c. Both deer and lion are a predator of each other.
- d. Deer is the prey and lion is the predator.

35. A distance of 3.5m is not equal to:

- a. 35cm
- b. 350km
- c. 3500mm
- d. All of the above



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## Performers Section

No. of Questions: 5  
Marks for each question: 5

36. Match the vitamins present in column-I to the disease which is caused due to lack of it.

Vitamins		Name of disease/disorder	
A	Vitamin A	I	Beriberi
B	Vitamin B1	II	Loss of Vision
C	Vitamin C	III	Rickets
D	Vitamin D	IV	Scurvy

- a. A-I, B-II, C-III, D-IV
- b. A-II, B-I, C-IV, D-III
- c. A-IV, B-III, C-II, D-I
- d. A-III, B-IV, C-I, D-II

37. Find the number of correct statements from the statements given below:

- I. Stone is transparent, while glass is opaque.
- II. Chalk dissolves in water.
- III. Sugar does not dissolve in water.
- IV. Sand settles down in the water.
- V. A piece of wood floats on water.

Options;

- a. 2
- b. 3
- c. 4
- d. 5

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38. An electric circuit is made and the switch is turned on but the bulb didn't glow. What may be the possible reasons?

- A. The circuit is closed.
- B. The circuit is open.
- C. The positive terminal of one cell is connected to the positive terminal of other cell.
- D. The positive terminal of one cell is connected to the negative terminal of other cell.
- E. The bulb is fused.
- F. The bulb is not fused.
- G. Both ends of the bulb are connected to the same terminal of the cell.

Options;

- a. B, C and E
- b. B, C, E and G
- c. A, D and F
- d. A, D, F and G

39. How many of the following changes are irreversible?

- I. Growth of a plant
- II. Ploughing a field
- III. Melting of wax
- IV. Falling of rain
- V. Pulling of rubber string
- VI. Breaking of a glass rod
- VII. Cooking of food

Options;

- a. 3
- b. 4
- c. 5
- d. 6

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40. Match the parts of the plant to their function.

Name of part of the plant		Function	
A	Stem	I	Reproductive part of the plant
B	Root	II	Photosynthesis and Transpiration
C	Leaves	III	absorb water and minerals from the soil
D	Flower	IV	Bears leaves, flowers and fruits

- a. A-I, B-II, C-III, D-IV
- b. A-II, B-I, C-IV, D-III
- c. A-IV, B-III, C-II, D-I
- d. A-III, B-IV, C-I, D-II



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