

Time: 2 Hour

Total Marks: 50

Class : VII

Subject : Science

MCQ SINGLE CORRECT

1. Boojho visited a forest near his town with his classmates and his teacher. As they were entering the forest, their class teacher told them not to make noise in the forest as noise could disturb the

(a) birds	(b) animals
(c) both birds and animals	(d) plants

2. Two organisms are good friends and live together. One provides shelter, water, and nutrients while the other prepares and provides food. Such an association of organisms is termed as

(a) saprophyte	(b) parasite
(c) autotroph	(d) symbiosis

3. Which of the products is not obtained from a forest?

(a) Honey	(b) Catechu
(c) Gum	(d) Ginger

4. The 'eye' of the potato plant is what

(a) the root is to any plant.	(b) the bud is to a flower.
(c) the bud is to Bryophyllum leaf.	(d) the anther is to stamen.

5. Which of the following is an acid-base indicator?

(a) Vinegar	(b) Lime water
(c) Turmeric	(d) Baking soda

TRUE/FALSE

6. Insects have spiracles on the lower surface of the body.

(a) True	(b) False
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7. Since very few prey are available, polar bear does not need to have strong sense of smell.

(a) True	(b) False
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8. Mucus protects the stomach lining from damage.

(a) True	(b) False
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All The Best!!!

9. Rapid growth of industries is one of the causes for water shortage.

(a) True

(b) False

10. Penguins stick together to fight the cold polar climate.

(a) True

(b) False

FILL IN THE BLANKS

11. In an electric circuit a fuse is a _____ to prevent possible fire.

12. The roots of a plant take up oxygen from the _____ trapped between the _____ particles.

13. The outer surface of a flat steel plate acts as a _____ mirror.

14. A physical change is generally _____.

15. A combination of two or more cells is called a _____.

VERY SHORT DESC

16. Animal waste, oil and urea are some of the organic impurities present in sewage. Name two more organic impurities present in sewage.

17. A spaceship travels 36,000 km in one hour. Express its speed in km/s.

18. On an average, an adult human being at rest breathes 15–18 times per minute. The breathing rate, however, may differ under different conditions. Arrange the following activities given in the box in order of increasing breathing rates and give reason for your answer. sleeping, cycling, brisk walk, watching T.V.

19. Explain the following:

(a) Lime water turns milky on passing carbon dioxide gas into it.

(b) Bubbles are produced when acetic acid is added to a solution of sodium hydrogencarbonate.

20. "A fish dies when taken out of water whereas a wall lizard will die if kept under water." Mention the term used to describe such abilities that allow fish and lizard to survive in their respective habitats.

SHORT DESC - 25 WORDS

21. State two differences between a convex and a concave lens.

22. "In the absence of photosynthesis, life would be impossible on earth." Explain.

23. Is setting of curd is a chemical change or a physical change ? Explain.

24. Explain the structure of clinical thermometer.

25. What are yeast ? Why are they used to make wine and beer ?

MED DESC - 50 WORDS

26. Name the type of carbohydrate that can be digested by ruminants but not by humans. Give reason.

27. How will you demonstrate that the presence of vegetation prevents erosion of soil ?
28. What is autotrophic mode of nutrition ? How do plants prepare their own food ?
29. Define (i) Overloading (ii) Short Circuiting (iii) Heating effect.
30. Give a brief description of the process of synthesis of food in green plants.

MATCH THE PAIRS

31. Match Column I with Column II. There can be more than one match.

Column I	Column II
(a) on heating air	(i) descends
(b) on cooling air	(ii) expands
	(iii) contracts
	(iv) rises

- (a) (a) (ii) and (iv), (b) (i) and (iii) (b) (a) (i) and (iii), (b) (ii) and (iv)
 (c) (a) (iv) and (ii), (b) (iii) and (i) (d) None of these

32. Match the items of Column I with the items of Column II.

Column I	Column II
(a) Large crystals	(i) Turns lime water milky
(b) Depositing a layer of zinc on iron	(ii) Physical change
(c) Souring of milk	(iii) Rust
(d) Carbon dioxide	(iv) Sugar candy (Mishri)
(e) Iron oxide	(v) Chemical change
(f) Dissolving common salt in water	(vi) Galvanisation

- (a) (a) (iv); (b) (vi); (c) (v); (d) (i); (e) (iii); (f) (ii) (b) (a) (v); (b) (vi); (c) (iv); (d) (i); (e) (iii); (f) (ii)
 (c) (a) (vi); (b) (v); (c) (iv); (d) (i); (e) (iii); (f) (ii) (d) None of these

33. Match the organs in Column I with the words listed in Column II.

Column I	Column II
(a) Rectum	(i) Mucous
(b) Gall bladder	(ii) Villi
(c) Stomach	(iii) Taste buds
(d) Tongue	(iv) Faeces
(e) Small intestine	(v) Bile juice

- (a) (a) (iv); (b) (v); (c) (i); (d) (iii); (e) (ii) (b) (a) (i); (b) (iv); (c) (ii); (d) (v); (e) (iii)
 (c) (a) (i); (b) (v); (c) (iii); (d) (ii); (e) (iv) (d) None of these

34. Match the animals mentioned in Column I with their characteristic features given in Column II.

Column I	Column II
(a) Red eyed frog	(i) Very sensitive hearing
(b) Penguin	(ii) Streamlined body
(c) Tiger	(iii) Silver-white mane
(d) Lion-tailed macaque	(iv) Sticky pads on feet

(a) (a) (iv); (b) (ii); (c) (i); (d) (iii)

(b) (a) (ii); (b) (iv); (c) (iii); (d) (i)

(c) (a) (iii); (b) (ii); (c) (i); (d) (iv)

(d) None of these

35. Match the substances in Column I with those in Column II.

Column I	Column II
(a) Tartaric acid	(i) soap
(b) Calcium hydroxide	(ii) curd
(c) Formic acid	(iii) unripe mangoes
(d) Sodium hydroxide	(iv) ant's sting
(e) Lactic acid	(v) lime water

(a) (a) (iii); (b) (v); (c) (iv); (d) (i); (e) (ii)

(b) (a) (ii); (b) (iv); (c) (v); (d) (iii); (e) (i)

(c) (a) (iv); (b) (v); (c) (i); (d) (ii); (e) (iii)

(d) None of these