

SUBJECT: SCIENCE
Class – VII

TIME: 2¹/₂Hrs.
MAX. MARKS: 60

General Instructions

1) The question paper comprises of two sections, A and B. You are to attempt both the sections. All questions of section A and B are to be attempted separately.

2) All questions are compulsory.

3) Marks for each question are indicated against it.

Choose the most appropriate option: -

SECTION: - A

1. Name any one insectivorous plant. 1
2. Name the carbohydrate which is the instant source of energy. 1
3. Name any two natural indicator. 1
4. What type of climate is there in Rajasthan? 1
5. By which name a cyclone is known in Japan. 1
6. Distinguish between a parasite and a saprotroph. 2
7. Give two examples each of conductor and insulator. 2
8. Why an antacid tablet is taken when you suffer from acidity. 2
9. What do you mean by reeling of silk? 2
10. Why plants are called autotrophs. 2
11. Why wearing more layers of clothing during winter keep us warmer than wearing just one thick piece of clothing? 3
12. Explain how painting of an iron gate prevent it from rusting. 3
13. Draw a diagram showing different stages of life history of silk moth. 3
14. State differences between acid and bases. 3
15. Classify the changes involved in the following process as physical or chemical change 3
 - (a) Photosynthesis
 - (b) Dissolving sugar in water.
 - (c) Burning of coal.
 - (d) Melting of wax.
 - (e) Beating of aluminum to make aluminum foil.
 - (f) Digestion of food.
16. Draw a well labeled diagram to show digestive system in humans. 5
17. Explain the adaptation of polar bear to live in polar region. 5

18. Explain the phenomena that lead to the formation of cloud, falling of rains storms and cyclones with the help of flow chart. 5
19. (a) Draw a diagram showing different layers of soil profile. (3+2)
- (b) What do you mean by?
- (i) Weathering (ii) Humus

Section B

20. Which part of the plant takes in carbon dioxide from the air for photosynthesis? 1
- (a) Root hair (b) Stomata (c) Leaf veins (d) sepals
21. Villi are located in the 1
- (a) Small intestine (b) Large intestine (c) Stomach (d) None of these
22. We obtain wool from 1
- (a) Goat (b) yak (c) sheep (d) All of these
23. The heat reaches to us from the sun in the form of 1
- (a) Convection (b) radiation
- (c) Conduction (d) All of these
24. The normal temperature of human body is 1
- (a) 37.C (b) 98F (c) Both of these (d) None of these
25. Distilled water is 1
- (a) Acidic (b) basis (c) Neutral (d) All of these
26. A carnivore with stripes on its body moves very fast while catching its prey. It is likely to be found in 1
- (a) Polar regions (b) deserts
- (c) Ocean (d) Tropical rain forest
27. Which option best describes a tropical region 1
- (a) Hot and Humid (b) Moderate temperature, heavy rainfall
- (c) Cold and humid (d) hot and dry
28. Which one of the following place is unlikely to be affected by a cyclone? 1
- (a) Chennai (b) Mangalore (c) Amritsar (d) Puri

29. The gas we use in the kitchen is called LPG. In the cylinder it exists as a liquid. When it comes out from the cylinder it becomes a gas (change-A) then it burns (change-B). The following statements pertain to these changes.1
- (a) Process- A is a chemical change.
 - (b) Process- B is a chemical change.
 - (c) Both process A & B are chemical changes.
 - (d) None of these processes is a chemical change.

