

A

PT-I
Subject- General Science
Class: VII
Full Marks -40

1. Which of the following does not conduct heat?
a) Iron, b). Steel, c). Aluminum, d). Paper 1 Mark
2. The minimum reading that an instrument Can measure is
a) $^{\circ}\text{C}$, b). $^{\circ}\text{F}$, c). K, d). Least Count 1 Mark
3. In which of the following thermometer, a kink mark is present? 1 Mark
a) Laboratory thermometer, b). Clinical thermometer,
c.)Maximum and Minimum thermometer d). None.
4. In the absence of which of the following will photosynthesis not occurs in leaves?
a) Chlorophyll, b. Guard cells, c). Vacuole d). Space between cells 1 Mark
5. In which direction does the transfer of heat normally takes place? 1 Mark
6. State two types of physical changes that may takes place when a substance is heated 1 Mark
7. Define radiation 1 Mark
8. State the role of vessels present in plant 1 Mark
9. Why a new quilt is warmer than old one? 2 Mark
10. Write the chemical equations of the following 2 Mark
 - a. Calcium hydroxide reacts with nitric acid
 - b. Hydrochloric acid reacts with sodium hydroxide.
11. Draw the label of agram of sea breeze. 2 Mark
12. What do you mean by extra cellular digestion?
Give an example of one organism which carries out this type of digestion 2 Mark
13. Why do some plants feed on insects ? 2 Mark
and how does a pitcher plant catch insects?
14. Describe an activity to show that the solutions of salt in water can conduct electricity 3 Mark

15. Write the chemical formulae of the following.
- Potassium nitrate
 - Ammonium Chloride
 - Zinc Sulphide
- 3 Mark
16. Write the names of different modes of transfer of heat
- 3 Mark
17. Why leaves are called as food factories of the plant ?
- 3 Mark
- What do you mean by photosynthesis and write its equation
18. a. Define neutralization reaction with one suitable example of it. 2 Mark
- b. Write any two properties of salt 2 Mark
- c. What is an indicator? 1 Mark
19. a. Name the two members living together in a lichen and define the type of nutrition it shows? 2 Mark
- b. How are nutrients replenished in the soil ? Explain with help of diagram 3 Mark

10 (a) Write the chemical formulae of the following

(a) Aluminium Sulphate. 1.1 mark

14) Write the charge and formulae of the following:

(a) magnesium ion

(b) acetate ion

(c) Ammonium ion

1 x 3 = marks

18) (b) Define chemical equation

(c) State combination reaction with one suitable example

2