

Name:		Subject:
Class:VII	Topic:	Date:

I. Answer the following question in detail.

- Where is bile produced? What component of food does it digest?
- Explain the digestion of food in ruminants?
- What are the properties of a compound?
- Differentiate between formula and symbol.
- Write the formula of calcium carbonate showing the steps involved?
- Balance the equation

$$\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$$
- Define the following
 a. Atomicity b. Valency c. Sericulture d. Radiation
- What are factors that decide the quality of wool?
- What are the effects of heat?
- Explain the how heat causes expansion with the help of an experiment?
- What precautions are used for using a clinical thermometer?
- Explain the steps involved in the production of silk?
- Why do woollen clothes keep us warm than cotton clothes?
- Explain one natural phenomenon that occurs due to convection of current in air.
- Write the symbols of following elements and radicals.
- Magnesium b. Zinc c. Sulphate d. Copper e. Nitrate f. Phosphate.
- Convert 35°C to $^{\circ}\text{F}$
- How does the presence of acid in the stomach help?
- Why room heaters have bright polished surface?
- Why is mercury used as an indicator in a thermometer?
- Write the function of different types of teeth?
- Why are two thin woollen blankets warmer than a thick woollen blanket?
- What are the factors that affect the soil formation?
- Neela took 50ml of water in a measuring jar. She started pouring it over 50g of soil taken in a funnel. Soon the water started dripping from the funnel. 11ml of water was left in the measuring cylinder. What was the percentage of water retained by the soil?

II. Fill in the blanks using appropriate answers.

1. The inner wall of the small intestine has fingerlike projection called _____
2. Amoeba ingest its food with the help of _____
3. The animal that lives on liquid food _____
4. The wave like action that helps the muscles to push down the food _____
5. The hydrochloric acid in the stomach helps in the digestion of _____
6. The partially digested food in ruminants is known as _____
7. _____ is made up of elements combined together in a fixed ratio
8. The formula of potassium is _____
9. The elements present in a molecule of water is _____ and _____
10. The atom an of element that can exist independently is known as _____
11. The formula of Magnesium sulphate is _____
12. The complex compound that form animal fibre is _____
13. Heat causes increase in _____
14. The temperature at which the Celsius and Fahrenheit scale is the same _____
15. The temperature scale used for scientific purpose _____
16. The temperature range in the Fahrenheit clinical thermometer _____
17. The heat of the sun reaches us by _____
18. The combining capacity of an element is its _____.
19. The transfer of heat in liquids is by _____
20. The vacuum present in the thermos flask helps to reduce the flow of heat by _____
21. The thermometer used to measure the temperature of boiling water _____
22. Decayed organic matter is turned into dark coloured material is called _____
23. The water holding capacity is higher in _____
24. Loamy soil is a mixture of _____
25. Sorters disease is caused by _____

Diagrams to practice :

Draw labeled diagrams of (i) Human digestive system (ii) Thermos Flask (iii) Life cycle of Moth (iv) Sea and land Breeze (v) Ingestion of food in amoeba and hydra.