

Chapter: 1 to 5

Q.1 A) Choose the correct alternative and rewrite the sentence (2)

- 1) reproduce by simple binary fission.
a. Protista b. Fungi c. Algae d. Bacteria
- 2) Biopsy is the treatment used for
a. Heart diseases b. Diabetes c. AIDS d. Cancer

Q.2 B) Solve the following questions. (3)

- 1) **State True or False (1)**
1) A stationary object on which no force is acting remains stationary.
- 2) **Find the odd one out (1)**
1) Ammonia, Sodium hydroxide, Methane, Chlorine
- 3) **Name the following (1)**
The SI unit of force.

Q.2 Solve the following questions. (Any two) (4)

- 1) **Solve the numerical problem:**
Volume of an object is 20cm^3 and the mass is 50g. Density of water is 1 gcm^{-3} . Will the object float or sink in water?
- 2) **Complete the given table**
Write down the number of electrons present in each of them.

Element	H	C	Na	Cl	N
Z	1	6	11	17	7
Number of electrons in the outermost shell

- 3) **Give scientific reasons**
What happens exactly when we become sick?

Q.3 Answer the following in detail (Any TWO) (6)

- 1)

Sr. No.	Name of the disease	Pathogen
i.	Hepatitis
ii.	Vibrio cholera
iii.	Typhoid

iv.	Tuberculosis
v	Entamoeba histolytica
vi	Swine Flu

2) State Dalton's Atomic theory.

3) A plastic bottle is pierced at three different points. The bottle is filled with water.



- What is your observation from the above figure?
- What can you conclude from the figure?
- On which floor will be the pressure maximum in buildings where the water has to flow from the tank placed on the terrace?

Q.4 Solve the following questions. (Any one)

(5)

- Explain the criteria followed by Whittaker for his five kingdom classification.
- Explain Rutherford's scattering experiment with a labelled diagram.

Prism
Colours of your Dreams