

Time allowed: **3 hours**; Maximum marks: **75**

General Instructions:

- All Questions are compulsory
- The Question Paper consists of 27 Questions divided in to four sections A, B, C and D
- Section - A comprises of 3 Very Short Questions of 1 mark each
- Section - B comprises of 3 Short Questions I of 2 marks each
- Section - C comprises of 12 Short Questions II of 3 marks each
- Section - D comprises of 6 Long Questions of 5 marks each

Section A

- Give any two irreversible changes.
- A mixture of Cornflakes and milk can be separated using ?
- Name the gas used by green plants to make their own food?

Section - B

- Encircle the odd one out in waste management
Reduce, Burn, Recycle, Reuse
- Name the device that breaks or completes the circuit?
- What are joints?

Section – C

- What is sieving? Where is it used?
- How would you obtain clear water from a sample of muddy water?
- Give examples to explain the difference between changes that can or cannot be reversed?
- Write any two properties of a magnet?
- A bar magnet has no markings to indicate its poles. How would you find out near which end is its north pole located?
- 'Living beings respond to stimuli'. Cite any two examples each of animals and plants to illustrate the same?
- How can we make an electric switch?
- When iron fillings are spread on a sheet and a bar magnet is placed on it, what do you observe? Do you find anything special about the way they arrange themselves?
- (a) Define combustion?
(b) Describe an activity to show that air (oxygen) is necessary for the combustion of substances?
- Explain the reasons for separating mixtures into their components with the help of examples?
- (a) What will happen if garbage is not removed from our homes and surroundings regularly?
(b) A person needs to dispose two wastes- broken glass pieces and used paper bags?
In which bin (blue or green) will he put these wastes?
- (a) Give reasons:
 - We should not put wastes containing salt, oil and milk preparations in waste pits as food for red worms?
 - It is better to mix powdered egg shells or sea shells with the wastes to be put in waste pits?
- (b) What type of conditions do red worms need to survive well?

Section – D

19. How do plants and animals help each other in the exchange of gases in the atmosphere?
20. Why do earthworms come out of the soil, only during heavy rains?
21. What are the functions of skeleton?
22. What is a Ribcage? How does it help to our body?
23. List any six important parts of the skeleton?
24. Differentiate between physical changes and chemical changes?