

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**

- Water is natural resource which is?  
(A) Exhaustible  
(B) Inexhaustible  
(C) Exhaustible as well as inexhaustible  
(D) None of these
- In a certain change, color and the magnetic properties of a substance changed. What reaction might this be?  
(A) Chemical combination.  
(B) Photochemical reaction.  
(C) Irreversible reaction  
(D) Physical change
- Oxygen is used in hospitals for?  
(A) Burning wastage  
(B) Artificial respiration  
(C) Fermentation  
(D) Decomposition

## **Section - B**

- Soft iron pieces placed across the ends of bar magnets when stored are called?  
(A) Compass  
(B) Keepers  
(C) Preservers  
(D) Poles
- Direction of electric current in the circuit is from?  
(A) Negative to Positive terminals  
(B) Positive to the negative terminals  
(C) Negative to negative terminals  
(D) Positive to neutral terminals.
- The process of converting gas into liquid is called?  
(A) Freezing  
(B) Cooling  
(C) Condensation  
(D) Evaporation

## Section – C

7. 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?
8. How cactus has adapted to survive in deserts?
9. List three ill-effects of plastics?
10. Define humidity? On what factors it depends?
11. What are conductors? Give two examples of a conductor?
12. What is adaptation? Write the importance of habitats?
13. (a) Collect pieces of different kinds of paper. Find out which of these can be recycled?  
(b) With the help of a lens look at the pieces of paper you collected for the above question. Do you see any difference in the material of recycled paper and a new sheet of paper?
14. What is a power station? Name a few types of power stations?
15. How do you show the directive properties of a bar magnet?
16. Name the following:
  - a. An electric gadget to break the electric circuit?
  - b. An alloy used to make filaments of a bulb?
  - c. A combination two or more cells?
17. Describe an experiment to show that magnetic poles always occur in pairs?
18. Differentiate between periodic and non-periodic changes?

## Section – D

19. What are reversible changes? Give two examples?
20. What are undesirable changes? Give two example of it?
21. Distinguish between element, compound and mixture?
22. Why do doctors use X-Ray images?
23. What is a skull? What is its function?
24. What is the difference between bone and cartilage?