

II. Answer the following questions:

12 x 2 = 24

12. What is a magnet?
13. What is the use of mariner's compass?
14. Write true or false. If it is false, correct the statement.
 - a) A piece of aluminium wrapper is attracted by a magnet
 - b) Magnetism increases when a magnet is dropped from a height.
15. Classify the following into magnetic and non-magnetic materials.
Cotton, shirt button, a piece of iron, a coin made of steel, sewing needle, water
16. What is the pole of the magnet? Name them.
17. Match the following.
 - a) Iron - non-magnetic material
 - b) heating - an alloy
 - c) wood - magnetic material
 - d) Alnico - loss of magnetism
18. Some stickers do not stick to wooden door, but readily stick to the door of a refrigerator. Why?
19. Circle the odd one and give reason.
 - a) rubberband, iron nail, sewing needle, safety pin.
 - b) pole, field, attract, heat.
20. True or False. If false, give the correct statement.
 - a) Human and animal wastes are examples of non-biodegradable waste.
 - b) Bacteria and fungi are called decomposers.
21. Arrange the following in to a correct sequence and form a food chain.
 - a) Rat → Hawk → Snake → Grass → Grass hopper.
 - b) Human → Insect → Algae → Fish.
22. Why are plants called primary producers?
23. What is food chain?
24. How are water bodies affected by industries?
25. What are biomes?
26. Match the following.
 - a) Primary producer - top predator
 - b) Primary consumer - carnivores
 - c) Secondary consumer - herbivores
 - d) Quarterly consumer - plants

III. Answer in detail: (Any 3)

3 x 5 = 15

27. Write any two sources of air pollution. How does it affect human beings?
28. How can you reduce the amount of waste generated in your homes?
29. Differentiate between ordinary trains and electro magnetic trains.
30. What are the properties of a magnet?