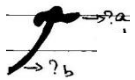


I. a) Fill in the blanks: 5x1=5

- The decaying leaves and animal dropping in a forest enrich the soil as ____.
- ____ is produced on the digester tank.
- The reflectors of torches, headlights of cars are ____ in shape.
- Electric bulb's filament is made up of _____.
- The fusion of male and female gametes is termed as _____.


b) Answer in one word: 5x1=5

- Who discovered the magnetic effect of electric current?
- Which type of mirror can form a real image
- Which day is celebrated as world water day?
-  Who am I? Label the parts.
- Name any two reproductive parts of a flower.

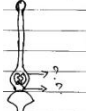
c) Choose the right one: 5x1=5

- When we do physical activity, our heart beat becomes ____.
 a) Normal b) Slower c) Faster d) No effect
- The use of a fuse is based on the ____ effect of current.
 a) Heating b) Chemical c) magnetic d) Physical
- In plants, photosynthesis takes place in _____.
 a) Xylem b) Stomata c) Root hair d) Artery
- ____ is a technique of watering plants directly at the base of the plant.
 a) Irrigation b) Sprinkler c) Drip irrigation d) Harvesting
- Sludge is decomposed by ____ bacteria.
 a) Rod b) Aerobic c) Anaerobic d) Spiral

d) Answer the following: 5x1=5

16.  Who am I?

17.  the switch is in on / off position?

18.  Redraw and Label the parts.

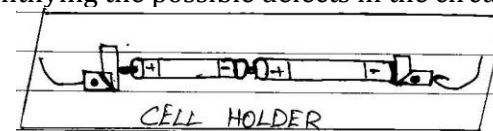
19. What happens when baking soda is added to lime juice?

20.  I split a beam of sunlight into seven colours. Identify me.

SECTION - B




I. Answer in short: (Any 5) 5x2=10

- Define galvanisation.
- What is potable water?
- What is dialysis?
- What is sexual reproduction?
- Zubeda made an Electric circuit using a cell holder, a switch and a bulb. When she put the switch in the 'ON' position, the bulb did not glow. Help Zubeda in identifying the possible defects in the circuit.



- Find out the letter of English alphabets of any other language known to you in which the image formed in a plane mirror appears exactly like the letter itself.
 - What are the different sources of water?
- III. Answer in paragraph: (Any 10) 10x3=30
- How will you show that setting of curd is a chemical change?
 - What are stomata? State any two functions of it.
 - How does the process of fertilisation take place in flower?

31. An electrician is carrying out some repairs in your house. He wants to replace a fuse by a piece of wire. Would you agree? Give reasons for your response.
32. State the difference between convex lens and concave lens.
33. Explain how ground water is recharged.
34. Explain why there is a need of variety of animals and plants in a forest?
35. What are the various causes of water pollution?
36. Sketch the reproductive parts of a flower (a) Stamen (b) Pistil
37. Write the uses of concave mirror.
38. Fill the content and redraw the components:

	Name	Component	symbol
a)	?		?
b)	?		?
c)	?		?

39. What will be the effect in your body if you don't have kidneys?
40. What are decomposers? Name any two of them. What do they do in the forest?

IV. Answer in detail: 4x5=20

41. a) What happens when an iron nail is dipped in copper sulphate solution? (OR)
- b) State the characteristics of the image formed by a plane mirror.
42. a) Explain the difference between asexual and sexual reproduction. (OR)
- b) Outline your role as an active citizen relation to sanitation.
43. a) With a neat diagram, explain the working of an electric bell? (OR)
- b) Explain the factors responsible for the depletion of water table.

44. a) Explain the role of forest in maintaining the balance between oxygen and carbon dioxide in the atmosphere. (OR)
- b) What are the components of blood?