

ANSWERS

SECTION A

1. B
2. B
3. C
4. C
5. C
6. B
7. C
8. C
9. A
10. D
11. A
12. D
13. D
14. B
15. C

SECTION B

16.

(a)

(i)

- Lime is **basic (alkaline)** in nature.

(ii)

- Lime reduces soil acidity.
- It improves soil pH making nutrients available to plants.

(b)

- Phenolphthalein remains **colourless** in an acidic solution.

17.

(a)

- Mood swings / stress / anxiety / low self-esteem.

(b)

(i)

- Regular bathing prevents body odour.

(ii)

- Cleaning the skin helps reduce acne and infections.

18.

(a)

- Urea.

(b)

(i)

- Pain during urination.

(ii)

- Blood in urine / reduced urine output.

(c)

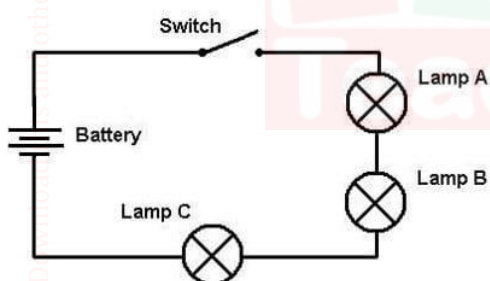
- The glomerulus filters waste products and excess water from the blood.

19.

(a)

- Chemical energy.

(b)



20.

(a)

(i) Iron

(ii) Nickel / Cobalt

(b)

(i) Magnets have two poles.

(ii) Like poles repel while unlike poles attract.

(c)

- Used in electric bells.
- Used in speakers/radios.
- Used in refrigerator doors.
- Used in compasses.

(d)

- A temporary magnet loses magnetism easily while a permanent magnet retains magnetism for a long time.

21.

(a)

R: Midrib

S: Vein

T: Petiole / leaf stalk

(b)

(i) Phloem

- Transports manufactured food.

(ii) Xylem

- Transports water and mineral salts.

22.

(a)

- Rusting occurred in **test tube A**.

(b)

- To remove dissolved oxygen from the water.

(c)

- Galvanization / galvanising.

(d)

- Lustre / shininess / malleability.