

Biology

Full Syllabus Test

VII (ICSE)

Full Marks : 80

Time : 2 hrs.

A. Name the following: (any 20)

1 × 20 = 20

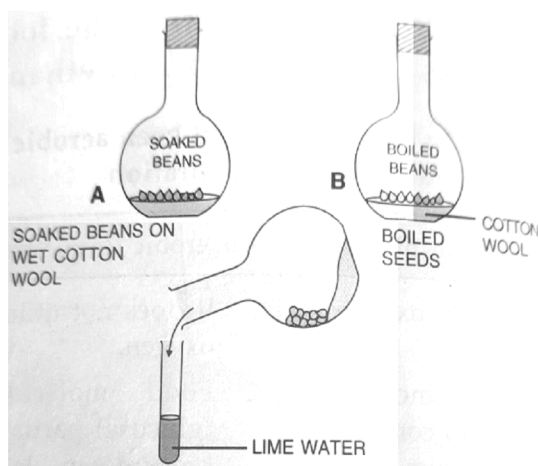
1. The tissue helps in growth of a plant.
2. Name the tissue mostly found in husk of a coconut.
3. Name the longest nerve in humans.
4. Intercalated discs present in muscles type.
5. The epithelial tissue found in the windpipe.
6. Animal phylum having comb plates.
7. The amphibian of plant kingdom.
8. An example of a gymnosperm.
9. An example of an edible mushroom.
10. Dry scales seen in animal class.
11. The first stable compound of photosynthesis.
12. The acid produced during anaerobic respiration in human muscles.
13. The part of the leaves through which transpiration occurs.
14. Bread mould.
15. Term for flowering plants.
16. The cup shaped structure of nephron.
17. The part of renal tubules where excess water reabsorption occurs.
18. An example of a perennial allergy.
19. Long process of nerve cell.
20. Part of brain maintaining balance of body.
21. Narrow tube connecting the kidneys to the bladder.
22. Disease resulting in presence of glucose in urine.
23. A mixed nerve.
24. Substances that cause allergy.
25. Seat of intelligence.

B. Answer briefly: (any 10)

2 × 10 = 20

1. Write down two differences between tendon and ligament.
2. Write down two functions of lymph.
3. Write two factors affecting photosynthesis.
4. State two differences between areolar and adipose tissue.
5. What are the main raw materials and end products of photosynthesis?
6. Define reflex action with an example.
7. How many spinal and cranial nerves do we have?
8. Why wouldn't a person hold urine for too long?
9. Describe anaphylaxis. Can bee sting cause it?
10. What are allergens? State their difference from pathogen.
11. Write 2 characteristics of class Amphibia.
12. Name the phylum of the following:
 - (a) Slug
 - (b) Sea urchin
 - (c) Housefly
 - (d) Hydra
13. Write the significance of photosynthesis.
14. What is aerobic respiration? Write the chemical equation.

- C. Answer the following: (any 8)** **5 × 8 = 40**
1. Write down the steps of photosynthesis. How does it differ from respiration? 3+2
 2. Write two differences between axon and dendron. Write the function of meninges, medulla oblongata, cerebellum. 2+3
 3. Draw the excretory system and label four parts. Write the role of skin and liver in excretion. 3+2
 4. Show by a chart the different components of our nervous system. Define synapse. 4+1
 5. Compare phylum nematoda with platyhelminthes. Write 2 main features of arthropoda. 3+2
 - 6.



- (i) In the given diagram, which phenomena is being tested?
- (ii) Why little antiseptic is added to flask B?
- (iii) Why is lime water used here?
- (iv) Write 2 significance of the phenomenon. 1+1+1+2
7. Write the role of kidney in urine formation.
8. Draw the structure of a nephron and label any four parts. What is glomerulus? What is osmoregulation? 3+1+1
9. Show by chart the different tissues of plants. Differentiate between xylem and phloem. 3+2
10. Draw the different types of muscles and write the functions of each of them. What is lymph? 3+2