

(Following Paper ID and Roll No. to be filled in your Answer Book)

Paper ID : 154122  
154101

Roll No. 

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**B.Tech.**

**(SEM. I) THEORY EXAMINATION, 2015-16**

**REMEDIAL BIOLOGY-I**

**[Time:3 hours]**

**[MaximumMarks:100]**

**SECTION-A**

1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (10×2=20)
  - (a) Name functions of root and stem.
  - (b) What is oxygenic and anoxygenic photosynthesis?
  - (c) Explain herbaria and herbarium.
  - (d) Protochordates and vertebrates constitute the phylum.
  - (e) Class cyclostomata comes under phylum.
  - (f) Name two types of teeth found in frog.

- (g) Round worms are classified under which Phylum.
- (h) Give 3 major differences between monocots and dicots.
- (i) Define mitosis.
- (j) What is the difference between millipede and centipede.

### SECTION-B

Attempt **any five** questions from this section.

(10×5=50)

- 2. How would you distinguish arthropods from other animals?
- 3. What are the basic chemical constituents and organelles of a living cell?
- 4. What are the common defects of eye?
- 5. Draw median vertical section of human eye and label it.
- 6. How we get the following parasites in our bodies: Filaria Tape worm, Round worm, Hook worms & Liver fluke?

- 7. What are the differences & similarities between a plant and an animal cell?
- 8. Define photosynthesis and give why it is important in brief.
- 9. What is Meiosis, give its significance in life.

### SECTION-C

Attempt **any two** questions from this section. (15×2=30)

- 10. Name different systems present in amphibian body and illustrate any one with a labelled diagram.
- 11. How does the urinary system of man differs from that of frog?
- 12. Compare human heart and frog heart and support your answer with labelled diagrams.

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