

B.Pharm I Year (R13) Supplementary Examinations December 2017

REMEDIAL BIOLOGY

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What structures are found in plant cells and that are not found animal cell?
 - (b) Define pteridophytes and angiosperms with example.
 - (c) Define chromosomes and list out their type on the basis of their structure.
 - (d) What are the functions of nucleic acids?
 - (e) Differentiate mitosis and meiosis.
 - (f) Give the difference between amoeba and trypanosome.
 - (g) Define phloem. Write the types of phloem and functions of phloem.
 - (h) Draw the structure of scolex with neat labeled diagram.
 - (i) List out the classification of plasmodium and write the disease caused by plasmodium vivax.
 - (j) List out the steps involved in lifecycle of amoeba.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Define cell. Give the difference between plant & animal cell. Add a note on animal cell with diagram.

OR

- 3 Explain about the different types of tissues.

UNIT – II

- 4 Classify the animal kingdom and write the salient features of each phyla.

OR

- 5 Explain processing steps involved in handling of sections.

UNIT – III

- 6 Define inflorescence and explain about the types of inflorescence with the example.

OR

- 7 Give the modifications of roots and stem in detail.

UNIT – IV

- 8 Give the structure and life cycle of ascaris.

OR

- 9 Differentiate amoeba and entamoeba and write a note on life cycle of plasmodium.

UNIT – V

- 10 Explain the gross anatomical structure of frog.

OR

- 11 Give general structure and life history of cockroach.
