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Total Number of Pages : 01

B.Pharm
15PH105

3rd Semester Back Examination 2018-19

REMEDIAL BIOLOGY

BRANCH : B.Pharma

Time : 3 Hours

Max Marks : 100

Q.CODE : E1015

Answer Question No.1 (Part-1) which is compulsory, any EIGHT from Part-II and any TWO from Part-III.

The figures in the right hand margin indicate marks.

Part- I

Q1 Short Answer Type Questions (Answer All-10)

(2 x 10)

- a) What are living organisms?
- b) Difference between plant and animal cell.
- c) What are the functions of phloem?
- d) Name the disease caused by Plasmodium and Taenia.
- e) Write function of chloroplast.
- f) Write function of mitochondria.
- g) Why lysosomes is called as suicidal bags?
- h) Write about *Fasciola*.
- i) Define the term venation.
- j) Difference between dicot and monocot plant.

Part- II

Q2 Focused-Short Answer Type Questions- (Answer Any Eight out of Twelve)

(6 x 8)

- a) Write short notes on modification of stems.
- b) Add notes on *Entamoeba*.
- c) Distinguish between xylem and phloem.
- d) What are the functions of mitochondria?
- e) Write biological significance of carbohydrate and vitamins.
- f) Add notes on the lifecycle of mites.
- g) Write notes on pharmaceutical importance of papaveraceae families.
- h) Explain classification of plant kingdom.
- i) Write short notes on Tissue.
- j) Distinguish between mitosis and meiosis.
- k) Discuss about the asexual life cycle of *Plasmodium*.
- l) Write biological significance of plant hormones.

Part-III

Long Answer Type Questions (Answer Any Two out of Four)

- Q3** Explain in detail about the T.S. of monocot and dicot root with help of diagrams. **(16)**
- Q4** What is cell division? Explain Meiosis in detail with illustration. **(16)**
- Q5** Write structure and life history of Amoeba **(16)**
- Q6** Describe general structure and life history of silk worm. **(16)**