

[Total No. of Questions - 18] [Total No. of Printed Pages - 2]
(2123)

1559

B. Pharmacy 1st Semester Examination

Remedial Biology (N.S.)

BP-117

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : The candidates are required to attempt any two questions from Section A. Any Eight questions from Section B and Section C is compulsory & candidates have to answer all the questions from Section C.

SECTION - A

1. Give detailed account on structure and life history of *Plasmodium*.
2. What are permanent tissues? Explain various types of permanent tissues in plants.
3. Define meiosis. Describe the mechanism and significance of meiosis. **(2×10=20)**

SECTION - B

4. Describe various non-living cell inclusions of Plant cell.
5. What is cell cycle and explain its different phases.
6. Explain, how herbarium sheets are prepared and preserved.
7. What are the various underground stem modifications?
8. Diagrammatically explain the life cycle of *Entamoeba*.

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9. Explain histology of dicot root with the help of diagram.
10. Write note on diseases caused by *Trypanosoma*, *Plasmodium*, *Taenia* and *Ascaris*.
11. Write a brief note on methods of classification of plants.
12. Explain various parts of flower with the help of well labelled diagram.
13. What is difference between simple, aggregate and composite fruit?
(5×8=40)

SECTION - C

14. Discuss shortly the structure of monocot seed.
15. Difference between sap and heart wood.
16. Name the various components cells of phloem and its functions.
17. Give very short account on components of plant cell.
18. Briefly describe the difference between mitosis and meiosis.
(2×5=10)