

Total No. of Questions :5]

[Total No. of Printed Pages :2

Roll No

PY - 101(B)

B.Pharm. I Semester

Examination, December 2016

Remedial Biology

Time : Three Hours

Maximum Marks : 70

Note: i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.

ii) All parts of each question are to be attempted at one place.

iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.

iv) Except numericals, Derivation, Design and Drawing etc.

1. a) Define Bark. Write its major function.
- b) Write various parts of fruit.
- c) How does food is transported in plants? Enlist the various

[2]

3. a) What are viroids and lichens? Define.
- b) Distinguish between Bryophytes and Pteridophytes.
- c) What do you understand by alteration of generations? Discuss in brief.
- d) Discuss Animal classification in detail.

OR

Discuss in brief about plant kingdom. Explain in detail the characteristics of Gymnospermous plants.

4. a) Define Mendel's law of inheritance.
- b) Write down the significance of genetic code.
- c) Discuss various types of RNA involved in genetics.
- d) Discuss in detail the process of protein Biosynthesis.

OR

Describe principle of inheritance. Discuss various types of mutation and genetic disorders.

5. a) Enlist the parts of a flowering plant.
- b) What are polysaccharides and how they are biosynthesized.
- c) Enlist the various factors affecting enzyme action.
- d) Discuss the process of photosynthesis and respiration in plants.

OR

Discuss the Anatomy of Monocot and Dicot root.
