



NF-014-003110 Seat No. _____

M. P. M. (Sem. I) (CBCS) Examination

January – 2017

Remedial Biology (BP 105 BT)

(Old Course)

Faculty Code : 014

Subject Code : 003110

Time : 3 Hours]

[Total Marks : 80

Instructions :

1. Answer any **three** from each section.
2. Question **1** and **5** are compulsory.
3. Figure to the right indicate marks.
4. Draw neat and clean diagram when required.

SECTION – 1

1 Answer any seven out of given ten question : 2×7=14

1. Draw following leaf margins:
a. Entire b. Dentate c. Serrate d. Crenate
2. Differentiate Heart wood and Sapwood.
3. Give general characteristics of mammals.
4. Define monocot and dicot plant with example.
5. Discuss functions of root
6. Discuss Aestivation of corolla
7. Give the classification of Vertebrates and general characteristics of any two classes.
8. What are the functions of shoot ?
9. Define false fruit with example.
10. Draw flower with its parts.

- 2** Answer the following :
1. Explain various transport mechanisms across the plasma membrane. **07**
 2. Note on non-living plant cell constituents or inclusions. **06**
- 3** Answer the following :
1. Explain in detail organizational structure in mammals. **07**
 2. Write a note on poisonous animal in detail. **06**
- 4** Answer the following :
1. Define and classify plant tissues in detail. **07**
 2. Write note on root modification. **06**

SECTION – 2

- 5** Answer any **two** out of **three** questions : **7×2=14**
1. What is tissue system ? Classify it and explain dermal and vascular tissue system of plant.
 2. Draw neat and labelled diagram of animal cell.
 3. Discuss functions of leaf, different shape and arrangement of leaves.
- 6** Answer the following :
1. Enlist modification of stem' and explain Underground and sub aerial modification of stem. **07**
 2. Write note on Inflorescence of flower. **06**
- 7** Answer the following :
1. Write detail note on animal epithelial tissues and nervous tissues. **07**
 2. Draw and explain plant cell structure with its function. **06**
- 8** Answer the following
1. Write detail note on mitosis and meiosis. **07**
 2. Write note on venation of leaf and leaf apexes. **06**