



**MZ-014-003110**

Seat No. \_\_\_\_\_

**Master of Pharmacy Management  
(Sem. I) (CBCS) Examination**

**January - 2018**

**Remedial Biology : BP 105 B**

**Faculty Code : 014**

**Subject Code : 003110**

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (1) Figure to the right indicate marks.
  - (2) Answer the three (03) questions from each section.
  - (3) Question one (01) and question five (05) are compulsory.
  - (4) Draw neat and clean diagram as required.

**SECTION - I**

- 1 Answer the following questions : (any seven) 14**
- (1) What is function of nucleus in plant cells?
  - (2) Aestivation of corolla.
  - (3) What is difference between parasitic and epiphytic root?
  - (4) Differentiate xylem and phloem.
  - (5) Give difference between Heart wood and Sapwood.
  - (6) Give the classification of vertebrates and general characteristic of any one class.
  - (7) Note on bacterial cell.
  - (8) What are the functions of stem?
  - (9) What is sclerenchyma? Give its types
  - (10) What are the characteristics of root?
- 2 Answer the following questions :**
- (1) Explain Nervous tissues. **7**
  - (2) Discuss about Venation of Leaf. **6**

- 3** Answer the following questions :
- (1) Write a note on poisonous animal. **7**
  - (2) Explain about regions of root. **6**
- 4** Answer the following questions :
- (1) Discuss about Root modification for storage of food. **7**
  - (2) Explain in detail about epithelial tissues of animals. **6**

## **SECTION - II**

- 5** Answer the following questions : (any **two**) **14**
- (1) Explain about Margin and Apex of leaf.
  - (2) Discuss about underground and sub-aerial modification of stem.
  - (3) Discuss in detail organizational structure in mammals.
- 6** Answer the following questions :
- (1) Discuss about modification of leaf. **7**
  - (2) Explain protein synthesis with suitable diagrams. **6**
- 7** Answer the following questions :
- (1) Discuss non living cell contents in detail. **7**
  - (2) Discuss cell cycle in detail. **6**
- 8** Answer the following questions :
- (1) What is tissue system? Classify it and discuss about ground tissue system. **7**
  - (2) Enumerate various processes that transport substance across the plasma membrane. Describe in detail about active transport process. **6**