

Roll No .

**PY-110****B.Pharm., I Year I Semester**

Examination, December 2015

**Choice Based Credit System (CBCS)****Biology****Time : Three Hours****Maximum Marks : 60**

- Note:** i) Attempt any five questions.  
ii) All questions carry equal marks.

1. a) Discuss the significance of basics of biology in pharmaceutical sciences.  
b) Write a note on the structure of cell (plant and animal)
2. a) What are the functions of plant tissues, discuss?  
b) Write in brief about following tissues (any two)
  - i) Epithelial tissue
  - ii) Connective tissue
  - iii) Muscular tissue
  - iv) Nervous tissues
3. a) Discuss any two animal products in brief.  
b) Discuss about DNA and RNA.
4. a) Write a note on any two plant products of economic importance from following:
  - i) Fibers
  - ii) Spices
  - iii) Scents
  - iv) Dyes

- b) Discuss morphology and physiology of any one
  - i) Root
  - ii) Leaf

5. Discuss any three families of plant kingdom with special reference to medicinally important plants.
6. a) Discuss general structure and life history of mosquito  
b) Give classification of plant kingdom.
7. Write short notes on any three from following:
  - a) Mendel's law
  - b) Morphology and life history of plasmodium
  - c) Physiology of plants
  - d) Nervous system
  - e) Respiratory system
  - f) Cardiovascular system

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