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Code No. 265

**FACULTY OF PHARMACY**  
**B.Pharmacy I Year (Suppl.) Examination, Oct./Nov. 2012**  
**BIOLOGY**

Time: 3 Hours]

[Max. Marks: 70

*Note : Answer all questions. All questions carry equal marks.*

1. A) i) Describe the internal structure of Monocot stem with a neat labeled diagram. 7  
ii) Explain different phases and significance of Mitosis. 7  
OR  
B) i) Define Inflorescence ? Explain different types of Racemose inflorescence. 7  
ii) Draw the structure of a Monocotyledonous seeds and label its parts. 7
2. A) i) Describe the vegetative and floral characteristics of Apocynaceae. 7  
ii) Write a note on economic importance of Umbelliferae.  
OR  
B) i) Describe the Distinguishing characteristics of the family Leguminosae. 8  
ii) Write the characters, floral formula and floral diagram of Scrophulariaceae. 6
3. A) i) Explain the process of Respiration taking place in plants. 14  
OR  
B) i) Write a note on polyploidy. 7  
ii) Explain the process of Absorption of water in plants. 7
4. A) i) Draw a neat labeled diagram of digestive system of frogs. 7  
ii) Discuss the histology of skeletal muscle of Rabbit. 7  
OR  
B) i) Discuss the histology of Rabbit Kidney. 7  
ii) Draw a neat labeled diagram of the internal structure of frogs heart. 7
5. A) i) Describe the life history of mosquito and the diseases spread by mosquito. 14  
OR  
B) i) Give the life history Of Taenia solium. 8  
ii) Give the Morphology and life cycle of Entamoeba histolytica. 6