

[KZ 831]

OCTOBER 2011

Sub. Code: 3831

**DOCTOR OF PHARMACY (PHARM.D) DEGREE EXAMINATION****FIRST YEAR****PAPER VI – REMEDIAL BIOLOGY***Q.P. Code: 383831***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks  
(Max.) (Max.) (Max.)**

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|--|----|---------|----|
| 1. a) Define plant Taxonomy and discuss in detail morphological characters of Umbelliferous fruits. (10) | 17 | 40 min. | 20 |
| b) Describe the types and structure of Bacteria. (10)  |    |         |    |
| 2. a) Describe the structures of plant cell and animal cell with neat labeled diagram. (15)              | 17 | 40 min. | 20 |
| b) How will you differentiate plant cell from animal cell. (5)   |    |         |    |

**II. Write notes on :**

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| 1. Mechanism of respiration of frog.                             | 4 | 10 min. | 6 |
| 2. Differentiate monocotyledons and dicotyledons.                | 4 | 10 min. | 6 |
| 3. Write short notes on excretory products of plants.            | 4 | 10 min. | 6 |
| 4. Morphology of seeds with suitable examples.                   | 4 | 10 min. | 6 |
| 5. Distinguish between gram positive and gram negative bacteria. | 4 | 10 min. | 6 |
| 6. Define enzymes and its pharmaceutical importance.             | 4 | 10 min. | 6 |
| 7. Photosynthesis.   | 4 | 10 min. | 6 |
| 8. Define and classify animal tissues.                           | 4 | 10 min. | 6 |
| 9. Write a short note on structure of Fungi.                     | 4 | 10 min. | 6 |
| 10. Types of roots and its functions.                            | 4 | 10 min. | 6 |

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