

[LA 813]

APRIL 2012

Sub. Code: 3813

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**THIRD YEAR****PAPER I – PHARMACOLOGY - II***Q.P. Code: 383813***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order****I. Elaborate on :**

Pages (Max.)	Time (Max.)	Marks (Max.)
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| 1. Define antibiotics. Explain the general mechanism of action of various antibacterial agents.
Discuss the pharmacology of penicillins. | 17 | 40 min. | 20 |
| 2. Explain gene transcription and various factors that regulate transcription. | 17 | 40 min. | 20 |

II. Write notes on :

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| 1. Mechanism of action and drug interactions involving warfarin. | 4 | 10 min. | 6 |
| 2. Potassium-sparing diuretics. | 4 | 10 min. | 6 |
| 3. Aminoglycoside antibiotics. | 4 | 10 min. | 6 |
| 4. Classify anti leprotic drugs and discuss about dapsone. | 4 | 10 min. | 6 |
| 5. Calcineurin inhibitors. | 4 | 10 min. | 6 |
| 6. Chronic toxicity studies. | 4 | 10 min. | 6 |
| 7. Ion channels. | 4 | 10 min. | 6 |
| 8. MAP kinase pathway. | 4 | 10 min. | 6 |
| 9. Biosensors. | 4 | 10 min. | 6 |
| 10. Gene therapy. | 4 | 10 min. | 6 |
