

[LB 813]

OCTOBER 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<br>(Max.) | Time<br>(Max.) | Marks<br>(Max.) |
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|-----------------|----------------|-----------------|

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|---|----|---------|----|
| 1. a) Classify anti-neoplastic agents with examples.                                      | 17 | 40 min. | 20 |
| b) Write the mechanism of action, therapeutic uses of methotrexate.                       |    |         |    |
| c) Discuss in detail about general toxicity of cytotoxic agents.                          |    |         |    |
| 2. Define Protein. Discuss the mechanism and various steps involved in Protein synthesis. | 17 | 40 min. | 20 |

**II. Write notes on :**

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|--|---|---------|---|
| 1. Give the category, mechanism of action and side effects of Tacrolimus.                            | 4 | 10 min. | 6 |
| 2. Write a note on Mutation.   | 4 | 10 min. | 6 |
| 3. Give the mechanism of action and side effects of co-trimoxazole.                                  | 4 | 10 min. | 6 |
| 4. Give the therapeutic uses and mechanism of actions of metronidazole and pyrimethamine.            | 4 | 10 min. | 6 |
| 5. Write the therapeutic uses of ciprofloxacin.  | 4 | 10 min. | 6 |
| 6. Write a note on Heparin antagonist.   | 4 | 10 min. | 6 |
| 7. Write a note on haematinics.  | 4 | 10 min. | 6 |
| 8. Classify diuretics with suitable example.<br>Give the therapeutic uses of thiazide diuretics.     | 4 | 10 min. | 6 |
| 9. Write the mechanism of actions:<br>(i) Acetazolamide      (ii) Vasopressin      (iii) Rifampicin. | 4 | 10 min. | 6 |
| 10. Briefly explain (i) Translocation      (ii) Tumour suppressor gene.                              | 4 | 10 min. | 6 |

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