

Enrolment No.\_\_\_\_\_

**B. Pharm. – SEMESTER – VII • EXAMINATION – SUMMER 2013**

**Date: 28-05-2013**

**Time: 02.30 am - 05.30 pm**

**Total Marks: 80**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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|-------------|-----|--|-----------|
| <b>Q.1</b>  | (a) | Classify oral hypoglycemic agents. Explain their mechanism of action.  | <b>06</b> |
|             | (b) | Describe pharmacology of methimazole.  | <b>05</b> |
|             | (c) | What are disadvantages of Penicillin G? Mention each repository preparations of Penicillin G with their advantage. | <b>05</b> |
| <b>Q.2</b>  | (a) | Explain life cycle of malarial parasite. Write pharmacology of Chloroquine.  | <b>06</b> |
|             | (b) | Classify immunosuppressants. Describe pharmacology of ciclosporin.   | <b>05</b> |
|             | (c) | Describe synthesis of nitric oxide. Write therapeutic uses of NO donors.   | <b>05</b> |
| <b>Q.3</b>  | (a) | Discuss pharmacological actions and adverse effects of corticosteroids.  | <b>06</b> |
|             | (b) | Why multiple chemotherapeutic agents are prescribed for treatment of tuberculosis? Write a note on rifampicin.     | <b>05</b> |
|             | (c) | Classify chemotherapeutic agents based on their mechanism of action.   | <b>05</b> |
| <b>Q.4</b>  | (a) | What is HAART? Discuss pharmacology of reverse transcriptase inhibitors.   | <b>06</b> |
|             | (b) | Write a note on bacterial resistance.  | <b>05</b> |
|             | (c) | Enumerate aminoglycoside antibiotics. Discuss their characteristics.   | <b>05</b> |
| <b>Q.5</b>  | (a) | Explain mechanism of action and side effects of antiulcer agents.  | <b>06</b> |
|             | (b) | Describe pharmacological actions, side effects and therapeutic uses of bromocriptine.                              | <b>05</b> |
|             | (c) | Classify antiemetic drugs based on their therapeutic uses.   | <b>05</b> |
| <b>Q. 6</b> | (a) | Write adverse effects of following drugs:  | <b>06</b> |
|             |     | 1. Sulphacetamide                      4. Bleomycin  |           |
|             |     | 2. Metronidazole                      5. Chloramphenicol   |           |
|             |     | 3. Isoniazid                          6. Amphotericin B  |           |
|             | (b) | Explain pharmacology of bronchodilators.   | <b>05</b> |
|             | (c) | Write mechanism of action and therapeutic uses of fluoroquinolones.  | <b>05</b> |
| <b>Q. 7</b> | (a) | Describe mechanism of action and adverse effects of alkylating agents.   | <b>06</b> |
|             | (b) | Discuss pharmacological action and therapeutic uses of androgens and antiandrogens.                                | <b>05</b> |
|             | (c) | Write a short note on expectorants.  | <b>05</b> |

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