

[KZ 817]

OCTOBER 2011

Sub. Code: 3817

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**THIRD YEAR****PAPER V – MEDICINAL CHEMISTRY***Q.P. Code: 383817***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. a) Describe various electronic parameters involved in QSAR study? | 17 | 40 min. | 20 |
| b) Explain the chemistry and mechanism of action of Cardiac glycosides. | | | |
| 2. a) Explain the mechanism of action of various classes of Antiarrhythmic agents. | 17 | 40 min. | 20 |
| b) Write the mechanism of action, SAR of sulphonyl ureas and the synthesis of any one. | | | |

II. Write notes on :

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| 1. Write the SAR of Angiotensin –II antagonist. | 4 | 10 min. | 6 |
| 2. Write the structure, uses, mechanism of action and side effects of oxytetracycline. | 4 | 10 min. | 6 |
| 3. Classify Antitubercular agents and write the synthesis of any one of them. | 4 | 10 min. | 6 |
| 4. Write a note on Antiscabies and Antipedicular agents. | 4 | 10 min. | 6 |
| 5. Classify Antiviral agents and write the structure of any three of them. | 4 | 10 min. | 6 |
| 6. Enumerate the synthesis and mechanism of action of any one Anthelmintic agent. | 4 | 10 min. | 6 |
| 7. Explain the chemistry of estrogens. | 4 | 10 min. | 6 |
| 8. Write a note on Antithyroid agents. | 4 | 10 min. | 6 |
| 9. Write the synthesis, mechanism of action and side effects of mercaptopurine. | 4 | 10 min. | 6 |
| 10. Classify antimalarials and write the synthesis of chloroquine. | 4 | 10 min. | 6 |