

FACULTY OF PHARMACY**M. Pharmacy (Pharmacology) II – Semester (PCI) (Suppl.) Examination, January 2020****Subject: Advanced Pharmacology – II****Time: 3 Hrs****Max.Marks: 75****Note: Answer any five questions. All questions carry equal marks.**

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| 1 | a) Explain the drugs used in thyroid diseases. | 8 |
| | b) What are oral contraceptives? Explain the main types of oral contraceptives. | 7 |
| 2 | a) What are β -lactam antibiotics? Explain the mechanism of action, therapeutic uses and adverse effects. | 8 |
| | b) Explain the pharmacology of alkylating agents in cancer chemotherapy. | 7 |
| 3 | Explain the following: | |
| | a) Chemotherapy of tuberculosis | 8 |
| | b) Treatment of fungal infection. | 7 |
| 4 | a) Discuss abt cellular and biochemical mediators involved in allergy and inflammation. | 10 |
| | b) | 5 |
| 5 | Write abt the following: | |
| | a) Pathogenesis of Alzheimer's disease and the mechanism of action of cholinesterase inhibitors in its treatment. | 10 |
| | b) Application of chromo therapy of cardiovascular disease. | 5 |
| 6 | a) What is parkinsonism? List t the drugs used in its treatment. Add a note on dopamine agonists and MOA-B inhibitors. | 8 |
| | b) | 7 |
| 7 | What is diabetes mellitus? Classify the drugs used in its treatment. Explain the pharmacology of any one class. | 1+8+6 |
| 8 | Explain the cellular mechanism of action of the following: | |
| | a) Corticosteroids | 8 |
| | b) Growth hormone. | 7 |
