

M PHARM
(SEM II) THEORY EXAMINATION 2018-19
ADVANCED PHARMACOLOGY II

Time: 3 Hours**Total Marks: 75****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 10 x 2 = 20**
- Explain the mode of action of any antiprotozoal drug.
 - Suggest the reasons for using a combination of cotrimoxazole to control microbial infections.
 - How is chronotherapy used in the treatment of cardiovascular diseases?
 - What are the various biochemical mediators for inflammation.
 - Classify anti ulcer agents.
 - Justify the protective role of antioxidants in our body.
 - What are the various drugs used orally as contraceptives.
 - Discuss the mechanism of action of streptomycin.
 - How can you prevent penicillin allergy in a patient?
 - How does drug affect calcium regulation in our body?

SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- Explain the mechanism of antibiotic resistance in our body. Suggest some ways to avoid them?
 - Classify antineoplastic agents. Discuss the mechanism of action of various drugs used in the treatment of cancer with examples.
 - How are free radicals generated? Enumerate the role of free radicals in neurodegenerative diseases.

SECTION C

- 3. Write short notes on any two of the followings: 3.5 x 2 = 7**
- Molecular mechanism of action of sex hormones
 - Oral Contraceptives
 - Corticosteroids and its uses
- 4. Attempt any one part of the following: 7 x 1 = 7**
- Describe molecular mechanism of actions of any one important antifungal agent.
 - How does drug resistance develop for β lactam antibiotics
- 5. Attempt any one part of the following: 7 x 1 = 7**
- Discuss the cellular and biochemical mediators of inflammation or allergic reaction
 - Justify the mechanism of selection of drugs commonly used in chemotherapy.
- 6. Attempt any one part of the following: 7 x 1 = 7**
- Give a detailed account on constipation and its treatment.
 - Describe the role of free radicals in the etiopathology of cancer?
- 7. Write short notes on (any one) 7 x 1 = 7**
- Advances in the treatment of Parkinson's disease
 - Application of chronotherapy in diabetes