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Sub Code: MPL 201T

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B PHARM
(SEM II) THEORY EXAMINATION 2017-18
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**
- a. Explain the process of calcium regulation in our body. .
 - b. Suggest the reasons for using a combination of trimethoprim and sulphamethoxazole to control microbial infections..
 - c. How is chronotherapy used in the treatment of cardiovascular diseases?
 - d. What are the various biochemical mediators for inflammation.
 - e. Classify oral hypoglycemic agents.
 - f. Justify the protective role of antioxidants in our body.
 - g. What are the various drugs used orally as contraceptives.
 - h. Discuss the mechanism of action of streptomycin..
 - i. How can you prevent penicillin allergy in a patient?
 - j. How does drug affect calcium regulation in our body?

SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- a. Explain the mechanism of action of beta lactum drugs. How does drug resistance occur in patients treated with antimicrobials?
 - b. Classify antineoplastic agents. Discuss the mechanism of action of various drugs used in the treatment of cancer with examples.
 - c. How are free radicals generated? Enumerate the role of free radicals in cancer.

SECTION C

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Suggest some recent advancement in the research of diabetes.
 - b. Write a short note on various antitubercular drugs used now a days.
 - c. Describe molecular mechanism of actions of any one important antiviral agent
 - d. Discuss the role of corticosteroids in control of asthma and pregnancy.
 - e. Discuss the cellular and biochemical mediators of inflammation or allergic reaction
 - f. Write short note on immunosuppresant.
 - g. Explain the molecular mechanism of action of prolactin in our body.