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Printed Pages:1 **Sub Code: MPL 201T**

Paper Id: | 2 | 9 | 8 | 2 | 0 | 8 | **Roll No.** | | | | | | | | | | |

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 sulpha-methoxazole 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?

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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.

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