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Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy (Pharmacology) (2017 & Onwards) (Sem.-1)

CELLULAR & MOLECULAR PHARMACOLOGY

Subject Code : MPL-104T

M.Code : 74678

Time : 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. Differentiate between Apoptosis and Necrosis. Describe various pathways involved in apoptosis. 15
2. Discuss the following :
 - a) MAPK Signalling 9
 - b) ELISA 6
3. a) Describe the impact of CYP polymorphism on drug therapy 10,5
b) Write a short note on Nutrigenomics
4. Discuss the following :
 - a) Immunotherapeutics 8
 - b) Recombinant DNA Technology 7
5. a) Discuss in brief various cellular viability assays. Describe different techniques used in cell culture. 10
b) Enumerate various GPCRs. 5
6. a) Describe the principle and applications of flow cytometry 8
b) Describe the potential of gene therapy in medical practice. 7

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

