

Examination: Master in Pharmacy First Year Second Semester EXAM 2025

Subject: ADVANCED PHARMACOLOGY-II

Ref. No.: Ex/MPL201T/2025

Time: 03 hrs Full Marks: 75

GROUP A (25 marks)

- Q1)** Clinically discuss about the prospects and problems of Stem Cell Therapy in Cardiac Infraction and Parkinsonism. (10)
- Q2)** With the help of a diagram write down the working principle of Flow cytometry and FACS. (10)
- Q3)** Explain how half-life of stem cells are experimentally identified. (05)

GROUP B (25 marks)

- Q4)** Write in details about the etiology of neoplasia.

Or,

Write down the role of antimetabolite for the management of cancer. (10)

- Q5)** Write notes on (any two) (7.5X2=15)
- a) Resistance develop against anticancer drugs.
 - b) Different types of Insulin preparation.
 - c) Etiology and therapeutic management of bronchial asthma

GROUP C (25 marks)

- Q6)** Briefly discuss about the following: (*Attempt any 5*) (5x5=25)
- a) Development of resistance to Beta Lactam antibiotics.
 - b) Clinical significance of 5th Generation Cephalosporins.
 - c) Mode of action and use of Tigecycline
 - d) Management of Atypical Bacterial Pneumonia.
 - e) Mode of action and clinical indications of Azithromycin
 - f) Mode of action and use of Avibactam.
 - g) Mode of action and Clinical uses of Amikacin