

Jamia Hamdard (Deemed to be University)
Examination: M.Sc. Clinical Research Semester III 2023
ADVANCED PHARMACOLOGY-II
Paper Code- MCR DCC 301

Time: 2 Hours 30 minutes

Maximum marks: 60

Q.1. Attempt ALL parts. Write very briefly about the following:

[6x2=12]

- a) What is Point mutation?
- b) Briefly write on Clostridium difficile induced infections.
- c) What is the fate of linezolid?
- d) Which one is the Red man syndrome causing antibiotic?
- e) Two antibiotics against pseudomonas aeruginosa
- f) Discuss antimicrobial resistance.

Q.2. Explain the mechanism of action, side-effects and clinical uses of following drugs (ANY TWO) [6x2=12]

- a. SGLT-2 inhibitors in Type 2 diabetes mellitus
- b. Aminoglycosides
- c. First line anti-tubercular drugs

Q.3. Write short notes on ANY TWO of the following:

[6x2=12]

- a. Antithyroid drugs OR Macrolides
- b. Reverse transcriptase inhibitors OR Protease inhibitors
- d. Enlist various essential vaccines

Q.4. Explain the pathophysiology of asthma. Write a management of asthma
 OR

[12]

Describe the pathophysiology and pharmacotherapy of peptic ulcer

Q.5. Discuss the role of antioxidants in the management of neurological disorders

[12]

OR

Classify anti-cancer drugs. Write down the mechanism action of platinum compounds in its treatment.

End of Question Paper