

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LQ 0121]

JANUARY 2021

Sub. Code: 2985

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-II (PCI New regulations 2016)

PHARMACOLOGY – MPL

PAPER I – ADVANCED PHARMACOLOGY – II

Q.P. Code : 262985

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Classify antibiotics based on chemical structure with example.
b) Describe the mechanism of action, spectrum of activity and therapeutic uses of fluoroquinolone antibiotics.
2. a) Elaborate the generation of free radicals.
b) Describe the role of free radicals in etiopathology of neurodegenerative disease.
c) Explain the recent advances in treatment of neurodegenerative diseases (Alzheimer's disease).

II. Write notes on:

(7 x 5 = 35)

1. Explain the pharmacological action of calcineurin inhibitors.
2. Write about free radicals and its etiology in various diseases.
3. Classify anti-fungal drug and write the mechanism of action and adverse effect of Amphotericin β .
4. Insulin and its preparation.
5. Classify anti-tuberculosis drugs and explain the mechanism of action and therapeutic uses of Isoniazid.
6. Write the pharmacology of Anti-ulcer drugs.
7. Write a note on drugs affecting calcium regulation.
