

PARUL UNIVERSITY
FACULTY OF PHARMACY
M.Pharm. Examination Summer 2017-18

Semester: 2
Subject Code: MPL201T
Subject Name: Advanced Pharmacology – II

Date: 14/05/2018
Time: 10:00AM TO 01:00PM
Total Marks: 75

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Classify Fluoroquinolone. Explain mechanism of action, spectrum, therapeutic indications and side effects of these agents.
2. Describe synthesis and release of insulin. Classify insulin analog and their use in management of diabetes mellitus. Write a note on long term complications of Diabetes.
3. Discuss diagnosis, sign and symptoms, pathophysiology and therapeutics management of peptic ulcer disease.

Q.2 Short Essay Type Questions. (any 5 out of 6) (5 Mark Each) (25)

1. Discuss HAART in management of AIDS.
2. Classify Azoles. Explain mechanism of action and therapeutic uses of Azoles.
3. Explain generation of free radicals and its etiopathology of various diseases.
4. Discuss recent advance in treatment of Alzheimer's disease.
5. Enumerate sign and symptoms of hypothyroidism. Discuss pharmacological action of propylthiouracil.
6. Discuss pharmacological action of anticancer antibiotics.

Q.3 Short Answers. (2 Mark Each) (20)

1. Discuss uses of corticosteroids.
2. Difference between DPP-4 inhibitors and GLP-1 agonists.
3. Write note on Artemisinin preparation.
4. Difference between second and third generation of cephalosporin.
5. Classify immunosuppressants.
6. Difference between asthma and COPD.
7. Write a note on 5HT₃ Antagonist.
8. Chemotherapy regimen for management of Hodgkin disease.
9. Describe circadian rhythms with suitable example.
10. Explain toxicity of aminoglycoside antibiotics.