

PARUL UNIVERSITY
FACULTY OF PHARMACY

M.Pharm. Supplementary Examination May 2018

Semester: 1**Subject Code: 08204102****Subject Name: Advances in Pharmacology & Pharmacotherapeutics****Date: 02/05/2018****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. Describe structure and replication of HIV. Discuss the different targets for antiretroviral agents and write on HAART.
2. Discuss pathophysiology of diabetes mellitus. Explain in detail role of incretins and SGLT2 inhibitors in the management of Type2 diabetes.
3. What are ACEIs and ARBs? Discuss therapeutic indications of these agents. Write important adverse effect associated with these drugs.

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

1. Explain DOTS approach for management of tuberculosis.
2. Explain G-protein coupled receptor with example.
3. Discuss *H.pylori* induced peptic ulcer and treatment for its eradication.
4. What are neurodegenerative disorders? Explain drug therapy for Alzheimer's disease.
5. Explain therapeutic indications for calcium channel blockers with suitable drug example.
6. Write note on 5HT₃ antagonist.

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

1. Explain nephrotoxicity induced by aminoglycoside antibiotic.
2. Classification of immunosuppressant agents.
3. Third generation cephalosporins and their uses.
4. Antifungal action of amphotericinB.
5. Enumerate vasoconstrictor and vasodilator peptides.
6. Write adverse effects of long term corticosteroid therapy.
7. Explain antiplatelet action of low dose aspirin.
8. Enumerate drugs used for the treatment of chloroquine resistant malaria.
9. Advantages of atypical antipsychotics.
10. Write newer antiepileptic agents.