

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**B.Pharm. Winter 2018-19 Examination**

**Semester: 6****Subject Code: 08101355****Subject Name: Pharmacology - III****Date: 02/11/2018****Time: 10:00am to 01:00pm****Total Marks: 75****Instructions:**

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

**Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each) (20)**

1. Classify chemotherapeutic agents based on mechanism of action, type of action and spectrum of activities. Write a note on quinolones.
2. Write mechanism of action, antibacterial spectrum, uses and adverse effect of macrolides.
3. Write mechanism of action of insulin. Discuss oral hypoglycemic agents.

**Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each) (35)**

1. Write a short note on drug used in malarial infections.
2. Explain therapeutic uses and side effects of sulphonamide.
3. Describe drugs used in urinary tract infections.
4. Show diagrammatically replication cycle of HIV virus with site of action of anti HIV drugs.
5. Classify anticancer agents and describe antimetabolites in brief.
6. Explain "DOTS" therapy
7. Write a note on immunosuppressant.
8. Explain mechanism of action, uses and side effects of glucocorticoids.
9. Discuss stem cell therapy.

**Q.3 Answer in short. (2 marks each) (20)**

1. Explain Gray baby syndrome
2. Write mechanism of action of chloroquine.
3. What do you mean by ototoxicity?
4. Classify antiamoebic drugs.
5. Describe oral contraceptives.
6. Write uses of calcitonin.
7. Write side effects of antifungal agents
8. Define antibiotics and give its examples.
9. Write mechanism of action of tetracycline.
10. Write uses of aminoglycosides.