

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**Pharm.D. Examination, October-2018**

**Year: 3****Subject Code: 08207301****Subject Name: Pharmacology - II****Date: 27/10/2018****Time: 10:00am To 1:00pm****Total Marks: 70****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) (30)**

1. Write the classification of anticancer agents. Explain the pharmacology of any five drugs in detail.
2. Explain mechanism of protein synthesis (translation) in prokaryotes and eukaryotes.
3. Describe the process of cell cycle including details on restriction points, cell cycle regulators and modifiers.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (20)**

1. Write a note on Anticoagulants.
2. Describe applications of recombinant DNA technology.
3. Give classification of diuretics. Describe mechanism of loop diuretics.
4. Give classification and therapeutic uses of immunosuppressants.
5. Write classification and therapeutic uses of Fluroquinolones.

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

1. Explain the fidelity of replication.
2. Describe pharmacology of various antiplatelet agents.
3. What is antimicrobial resistance? Enlist various biochemical mechanisms of resistance development.
4. Give a brief account of various toxicity studies done during preclinical evaluation of drug.
5. Write mechanism of action of Co-trimoxazole and Azithromycin.
6. Describe adverse effects of streptomycin.
7. Give classification of antiretroviral agents.
8. Explain the pharmacology of terbinafine.
9. Write mechanism of action and uses of chloroquine.
10. Write a note on drugs used in treatment of amoebiasis.