

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

Year: 3**Subject Code: 08207301****Subject Name: Pharmacology - II****Date: 07/05/2018****Time: 10:00 am to 1:00 pm****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) (15 Mark Each) (30)

1. Classify Anticoagulants. Explain their pharmacology and therapeutic applications.
2. Give classification of fluoroquinolones. Write their mechanism of action, pharmacokinetics, therapeutic uses and adverse effects.
3. Write a note on Recombinant DNA Technology with its applications.

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

1. Write a note on cytotoxic anticancer agents.
2. Classify antiviral agents.
3. Write a note on high ceiling diuretics.
4. Explain pharmacology of immunosuppressants. Give their clinical applications.
5. Differentiate between prokaryotic and eukaryotic cell.

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

1. Compare and contrast between classes of drugs which act by inhibition of cell wall synthesis.
2. Write a note on Oncogenes.
3. Write importance and design of various toxicity studies.
4. Give techniques and applications of gene therapy.
5. Explain the term "Cell cycle regulators".
6. Write mechanism of action and adverse effects of aminoglycoside antibiotics.
7. Give points of difference between prokaryotic and eukaryotic translation.
8. Explain mechanism of action of sulphonamides and chloroquin.
9. Write a note on carcinogenicity testing.
10. Give classification of cephalosporins.