

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm. D November- 2019 Examination

Year: 3**Subject Code: Pharmacology-II****Subject Name: 08207301****Date: 25/11/2019****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 Cephalosporins. Write mechanism of action, pharmacokinetics adverse effects and therapeutic uses of Fluroquinolones.
2. Classify anticancer drugs and write its general toxicity. Explain complete pharmacology of alkylating agents and antimetabolites.
3. Explain eukaryotic DNA replication process.

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

1. Write pharmacology of anticoagulants.
2. Classify diuretics with examples. Write pharmacology of carbonic anhydrase inhibitors.
3. Write a note on cell cycle regulators and modifiers.
4. Classify antimalarial agents and write a note on any one antimalarial drug.
5. Write mechanism of action, adverse effects and therapeutic uses of Glucocorticosteroids.

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

1. Write a short note on gene mutation.
2. How mRNA helpful in protein synthesis?
3. What is recombinant DNA technology?
4. Write functions of tRNA.
5. Write a shortly about gene transfer technology.
6. Write a short note on translation.
7. What do you mean by gene sequencing?
8. Write a function of tumor suppressor genes.
9. Write a note on gene therapy?
10. Discuss mechanisms of protein synthesis.