

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Winter 2019-20 Examination

Semester: 6**Subject Code: 08101355****Subject Name: Pharmacology – III****Date: 06/12/2019****Time: 10:00 am to 1:00 pm****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. Enumerate Beta-lactam antibiotics. Explain mechanism of action, spectrum, side effects and therapeutic uses of Penicillin G.
2. Classify aminoglycoside antibiotics. Write the mechanism of action, common features, therapeutic uses and adverse effects of any one of them.
3. Classify and enumerate insulin preparation. Explain mechanism of action, uses and side effects of Glimepiride. Write a difference between metformin and acarbose.

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

1. Classify antimicrobial agents based on their mechanism of action.
2. Explain mechanism of action and therapeutic uses of Ciprofloxacin.
3. Write a short note on azithromycin.
4. Write a note on Immunosuppressants.
5. Classify antifungal agents. Explain mechanism of action, uses and adverse effects of Amphotericin B.
6. Mention four anticancer antibiotics and explain their mechanism of action.
7. Write a short note on stem cell therapy.
8. Classify Antitubercular drugs. Explain the mechanism of action, adverse effects of Rifampicin and Isoniazide.
9. Explain therapeutic use and adverse effect of glucocorticoids.

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

1. Define Superinfection and chemoprophylaxis.
2. Sulphonamide is preferred in eye infection - comment
3. Write a difference between ampicillin and amoxicillin.
4. Why tetracyclines are not safe during pregnancy?
5. Explain uses and adverse effect of Chloramphenicol.
6. What is the rationale for combination of oestrogen and progestin as oral contraceptive?
7. Explain adverse effects of insulin.
8. Oxytocin is used for induction of labour, why?
9. Explain the drug treatment of cerebral malaria.
10. Write a difference between etoposide and vincristine.