

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm. Summer 2017-18 Examination

Semester: 6
Subject Code: 08101355
Subject Name: Pharmacology – III

Date: 23/05/2018
Time: 10:00am to 1:00pm
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 fluoroquinolones. Explain in detail about mechanism of action, spectrum, side effects and therapeutic uses of moxifloxacin.
2. Classify oral hypoglycemic agents and explain mechanism of action, use and side effect of Pioglitazone. Explain physiological actions of insulin.
3. Classify Chemotherapeutic agents based on mechanism of action, type of organism, sources and spectrum of activity.

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

1. Describe mechanism of action and adverse effects of Cyclophosphamide.
2. Write antibacterial spectrum and adverse effects of penicillin. Classify semisynthetic penicillins.
3. Compare and contrast of Chloramphenicol and Tetracyclines.
4. Classify antifungal agents. Discuss mechanism of action, side effect and uses of Amphotericin B.
5. Classify oxytocics and tocolytics with suitable examples. Write therapeutic uses of oxytocin.
6. Discuss pharmacological actions, uses and adverse effects of corticosteroids.
7. Classify antithyroid drugs. Discuss mechanism of action and adverse effects of Methimazole.
8. Write a note on oral hormonal contraceptives agents.
9. Classify immunosuppressants. Explain mechanism of action, uses and side effect of Cyclosporin.

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

1. What are the applications of stem cell?
2. Give a name of androgen anabolic steroids.
3. Classify Antimalarial agents.
4. Explain role of Calcitonin.
5. Write a mechanism of action and use of Isoniazide.
6. Classify antiretroviral agents.
7. What are the uses and side effects of cephalosporin?
8. Explain the following adverse effects and name the anti microbial agent producing them a) Ototoxicity b) Fanconi like syndrome
9. Classify sulphonamide agents based on use.
10. Compare and contrast of oestrogen and progesterone.