

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**  
**B.Pharm. Summer 2018-19 Examination**

**Semester: 6**  
**Subject Code: 08101355**  
**Subject Name: Pharmacology-III**

**Date: 11/04/2019**  
**Time: 10:00 am to 1:00 pm**  
**Total Marks: 75**

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**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 chemotherapeutic agents based on mechanism of action, type of action and spectrum of activities.
2. Write mechanism of action, uses and adverse effect of macrolides and aminoglycosides.
3. Draw and write the synthesis storage release of insulin and thyroid hormone.

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

1. Write a short note on malarial life cycle and enlist drug used for treatment in of Malaria.
2. Write a note on immunosuppressant.
3. Explain mechanism of action, therapeutic uses and side effects of sulphonamide.
4. Classify antiamebic agents and describe Anthelmintic in brief.
5. Write note on Parathromone & Calcitonin.
6. Explain mechanism of action, uses and side effects of glucocorticoids.
7. Classify Antifungal drugs and write a note on Amphotericin-B
8. Classify Antiviral Drugs and Draw the mechanism of Acyclovir.
9. Write a note on INH & Rifampin.

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

1. Classify and write the therapeutic uses of  $\beta$  lactamase Inhibitors.
2. Define superinfection & Cross Resistance.
3. Write a brief note Gray baby syndrome.
4. Describe oral contraceptives.
5. Write mechanism of action of tetracycline.
6. Explain the fixed dose combination "Cotrimoxazole"
7. Write a note on progesterone.
8. Classify antithyroid drugs.
9. Enlist Pituitary hormones.
10. Write a note on Stem cell Therapy.