

GUJARAT TECHNOLOGICAL UNIVERSITY**PHARM.D YEAR-3 EXAMINATION – SUMMER-2019****Subject Code: 838801****Date: 06/05/2019****Subject Name: Pharmacology-II****Time: 02:30 PM TO 05:30 PM****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks

- Q.1 (a) Discuss the advantages and disadvantages of combination of sulphonamide with trimetoprem. 06
- (b) Explain the pharmacology of furosemide. 04
- (c) Describe the toxicities of aminoglycoside antibiotics. 04
- Q.2 (a) Define and classify anticoagulants. Write the mechanism of action of Warfarin. 06
- (b) Write a note on anticancer antibiotics. 04
- (c) Discuss the mechanism of action, adverse effects and uses of zidovudine. 04
- Q.3 (a) Classify antimalarials. Discuss the pharmacology of chloroquine. 06
- (b) Write a note on acute toxicity study. 04
- (c) Write a note on topical antifungal agents. 04
- Q.4 (a) Define and classify immuno-suppressants. Explain their uses. 06
- (b) Describe the uses of fibrinolytics and antithrombotics. 04
- (c) Explain the mechanism of action and adverse effects of cephalosporins. 04
- Q.5 (a) Describe the mechanism of action, adverse effects and uses of tetracyclins. 06
- (b) Explain the pharmacology of isoniazid. 04
- (c) Discuss the drug interactions and uses of metronidazole. 04
- Q.6 (a) Explain the structure of eukaryotic chromosome in detail. 06
- (b) Write a note on cell cycle regulators. 04
- (c) Describe MAP-kinase pathway. 04
- Q.7 (a) Explain the principle and applications of recombinant DNA technology. 06
- (b) Describe the factors that affect gene function. 04
- (c) Write a note on nucleosomes. 04