

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharm – SEMESTER-VII • EXAMINATION – WINTER -2019****Subject Code: 270006****Date: 28/11/2019****Subject Name: Pharmacology- III****Time: 10.30 AM to 01.30 PM****Total Marks: 80****Instructions:**

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

- Q.1** (a) Classify immunosuppressive agents. Describe the mechanism of action, therapeutic use and adverse effect of Tacrolimus. **06**
(b) Explain synthesis, storage and release of thyroid hormones. **05**
(c) Describe the therapeutic uses and adverse effects of Glucocorticoids. **05**
- Q.2** (a) Write in brief about mechanism of action, adverse effects and therapeutic uses of acyclovir. **06**
(b) Write short notes on estrogens and antiestrogens **05**
(c) Classify antiulcer agents? Write a note on proton pump Inhibitors. **05**
- Q.3** (a) Explain mechanism of action of antimicrobial agents that interfere with cell wall synthesis with suitable illustrations. **06**
(b) Classify antineoplastic agents and explain mechanism of action of alkylating agents. **05**
(c) Give short note on expectorants and classify drugs used in asthma. **05**
- Q.4** (a) Write the anti-bacterial spectrum, mechanism of action and therapeutic uses of cephalosporins. **06**
(b) Describe the physiological actions of nitric oxide **05**
(c) Write a short note on oral contraceptives **05**
- Q.5** (a) Discuss in detail about mechanism of action, adverse effects and therapeutic uses of rifampicin. **06**
(b) Classify antifungal drugs. Write in brief about amphotericin B. **05**
(c) Write short note on antiemetics **05**
- Q. 6** (a) Explain the mechanism of action of insulin. Write a note on different insulin preparations and their indications. **06**
(b) Explain in detail biochemical mechanisms of resistance to antibiotics. **05**
(c) Write mechanism of action and therapeutic uses of ornidazole **05**
- Q.7** (a) Write a short note on mechanism, side effects, therapeutic effects and antibacterial spectrum of streptomycin. **06**
(b) Classify antimalarial drugs. Write pharmacological actions of quinine. **05**
(c) Write a note on oxytocics. **05**
