

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PHARMACY - SEMESTER-II • EXAMINATION-SUMMER • 2014

Subject Code: 420003

Date: 23-05-2014

Subject Name: Pharmacology and Toxicology

Time: 10:30 am - 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.**

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|-------------|--|-----------|
| Q.1 | (a) Enlist the various routes of drug administration. Write a note on parenteral route of drug administration. | 06 |
| | (b) Define Pharmacology. Explain various disciplines of Pharmacology. | 05 |
| | (c) Write a note on enzyme induction and enzyme inhibition. | 05 |
| Q.2 | (a) Write in detail about mechanism of drug action. | 06 |
| | (b) Classify antitubercular drugs. Write a note on Rifampicin. | 05 |
| | (c) Write a note on plasma protein binding of drugs | 05 |
| Q.3 | (a) Explain mechanism of action, pharmacological actions and therapeutic uses of Salicylates. | 06 |
| | (b) Classify anti-psychotic drugs and write a note on Chlorpromazine. | 05 |
| | (c) Write pharmacology of morphine. | 05 |
| Q.4 | (a) Classify sympathomimetics according to mechanism of action. Write therapeutic uses of adrenaline. | 06 |
| | (b) Classify diuretics. Write a note on thiazides. | 05 |
| | (c) Classify aminoglycoside antibiotics. Write pharmacology of streptomycin. | 05 |
| Q.5 | (a) Write a note on pharmacology of Digoxin. | 06 |
| | (b) Write pharmacology of ACE inhibitors. | 05 |
| | (c) Classify antianginal agents. Write pharmacology of nitrates. | 05 |
| Q. 6 | (a) Write a note on antacids. | 06 |
| | (b) Write in detail about pharmacology of Penicillins. | 05 |
| | (c) Write in detail about pharmacology of sulphonamides. | 05 |
| Q.7 | (a) Classify sympatholytics. Write therapeutic uses and adverse effects of beta- blockers. | 06 |
| | (b) Define and classify chemotherapy. | 05 |
| | (c) Comment on followings: | 05 |
| | I. Combination therapy is not required in the treatment of tuberculosis. | |
| | II. Amoxicillin is given in combination with clavulanic acid. | |
