

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
Pharm D – 2nd Year • EXAMINATION – SUMMER - 2018

Subject Code:828806

Date: 09/05/2018

Subject Name: PHARMACOTHERAPEUTICS-I

Time: 10:30AM TO 01:30PM

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) Classify diuretics. Write a short note on high ceiling diuretics. **06**
(b) What are the different types of diabetes? Describe pharmacology of Metformin. **04**
(c) Describe various types of arrhythmia. **04**
- Q.2** (a) What is angina pectoris? Describe the pharmacology of nitrates. **06**
(b) Write a mechanism of action, pharmacological action & therapeutic uses of estrogens. **04**
(c) What are the predisposing factors, signs and symptoms of Osteoporosis? **04**
- Q.3** (a) Enumerate cardiac glycosides. Describe the pharmacological actions of digitalis in CCF. **06**
(b) Classify antihypertensive drugs with examples. Discuss in detail about ACE inhibitors. **04**
(c) Describe the pathogenesis of conjunctivitis. **04**
- Q.4** (a) Explain the pathogenesis of asthma. Enumerate anti-asthmatic drugs. **06**
(b) Enlist and describe the drugs used in the treatment of glaucoma. **04**
(c) Classify anti-arrhythmic agents. Describe the pharmacology of Class – I anti-arrhythmic agents. **04**
- Q.5** (a) Enumerate various factors that modify drug action. Explain how dose in children may be calculated from adult dose? **06**
(b) Discuss mechanism of action and therapeutic uses of following: **04**
1. Nifedipine 2. Atorvastatin
(c) Explain the pathogenesis of COPD. How it is different from asthma? **04**
- Q. 6** (a) What are essential drugs? Write a note on the rational use of drugs. **06**
(b) Explain the pharmacokinetic changes of drugs in pediatric population. **04**
(c) What are the general guidelines for drug prescribing to lactating mothers? **04**
- Q.7** (a) Describe sign and symptoms and treatment of thyroid disorders. **06**
(b) Write a note on premenstrual syndrome. **04**
(c) Which are the renal factors affecting dosing in geriatric patients? **04**
