

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PHARM SEM-VI WINTER EXAMINATION

Subject code: 260004

Date: 26/12/2012

Subject Name: Pharmaceutical Chemistry-VIII (Medicinal)

Time: 2:30 – 5:30 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) What are xenobiotics? Discuss importance of CYP450 in xenobiotics metabolism. [6]
 b) Write detail note on Drug receptor interaction. [5]
 c) Give accounts for Sympatholytics. [5]
- Q-2 a) What are parasympathomimetics? Classify them with suitable examples. [6]
 b) Discuss SAR of Phenylethanalamines. [5]
 c) Give synthetic route of Dicyclomine and Ephedrine. [5]
- Q-3 a) What are Brain stimulants? Write Classification with suitable examples. [6]
 b) Write note on General anesthetics. [5]
 c) Discuss SAR of Tricyclic Antidepressant agents. [5]
- Q-4 a) What are Anxiolytics? Classify them. [6]
 b) Discuss SAR of Barbiturates. [5]
 c) Write a note on antiparkinson's agents. [5]
- Q-5 a) What are Opioid analgesics? Write mechanism of actions and Classification of Opioid analgesics. [6]
 b) Explain NSAIDs in detail. [5]
 c) What is Alzheimer's disease? Discuss its treatment. [5]
- Q-6 a) Explain factors affecting Drug metabolism in detail. [6]
 b) Give classification Anticholinergic agents with suitable examples. [5]
 c) Discuss treatment of Gout in detail. [5]
- Q-7 a) What are local anaesthetic drug? Give Classification with suitable examples. [6]
 b) Give accounts for Antiepileptic agents. [5]
 c) Write a note on hallucinogens [5]
