

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – VI • EXAMINATION – WINTER • 2016

Subject Code: 260004

Date: 24-10-2016

Subject Name: Pharmaceutical Chemistry-VIII (Medicinal Chemistry)

Time: 02.30 pm To 05.30 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 is xenobiotics? Describe Phase-I of Xenobiotic metabolism. **06**
(b) Describe factors affecting drug metabolism. **05**
(c) Write in detail Drug receptor interaction. **05**
- Q.2** (a) Give synthesis of any two of the following 1) Neostigmine 2) Salbutamole **06**
3) Dopamine
(b) Describe SAR of Parasympathomimetics in detail. **05**
(c) Write a detail note on Antiparkinson's agents **05**
- Q.3** (a) What are antidepressant drugs? Classify them in detail. **06**
(b) Write note on General anesthetics. **05**
(c) Write detail SAR of Barbiturate derivatives. **05**
- Q.4** (a) What are Sedative and Hypnotics. Classify them in detail. **06**
(b) What is Alzheimer's disease? Discuss its treatment **05**
(c) Explain NSAIDs in detail. **05**
- Q.5** (a) Give structure and use of the following **06**
(1) Chlorpromazine 2) Paracetamole 3) Morphine 4) Diclofenac
5) carbamazepine 6) Mefenamic acid
(b) Discuss in detail about Sympatholytic agent. **05**
(c) Write a note on Anticholinesterase. **05**
- Q. 6** (a) What are Opioid analgesics? Write mechanism of actions and Classification of **06**
Opioid analgesics.
(b) Write a note on Neuromuscular Blocking agents. **05**
(c) Write detailed SAR of Parasympatholytics. **05**
- Q.7** (a) Give synthetic scheme of any 2 of the following 1) Lignocaine 2) Allopurinole **06**
3) Adreanaline
(b) Classify Local Anesthetics in detail. **05**
(c) Write a note on Antiepileptic agents. **05**
