

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER- VI • EXAMINATION – SUMMER-2017

Subject Code: 260005

Date: 08/05/2017

Subject Name: Clinical Pharmacy-I

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) Explain the role of clinical pharmacist as a member of the health care team. 06
(b) Mention the steps in patient counseling. What are the measures required to improve patient compliance? 05
(c) Write a note on the importance of communication skills with patients and the medical care team. 05
- Q.2 (a) What is therapeutic drug monitoring? When is it necessary? Explain its importance with suitable examples. 06
(b) Define poison. What are the general principles in the treatment of poisoning? 05
(c) What are essential drugs? Write a note on the rational use of drugs. 05
- Q.3 (a) Define anemia. Mention the different types of anemia. Explain the treatment of iron deficiency anemia. 06
(b) Explain the pathophysiology of the following i) Coronary heart disease 05
ii) Alzheimer's disease
(c) Write in detail the etiology and management of migraine. 05
- Q.4 (a) Explain the pathophysiology, risk factors and management of hypertension. 06
(b) Classify various types of epilepsy. Discuss the pharmacology of Valproic acid. 05
(c) Write in detail the advantages and disadvantages self medication. 05
- Q.5 (a) Enumerate affective disorders. Discuss the pathophysiology and treatment of depression. 06
(b) Explain pain pathway with help of a suitable diagram. 05
(c) Examples symptoms and management of schizophrenia. 05
- Q.6 (a) Discuss the etiology and pathophysiology of Parkinsonism. Explain the rationale behind the combination of carbidopa and levodopa. 06
(b) Write a note on non prescription drug usage. 05
(c) Explain the pharmacokinetic changes of drugs in pediatric population. 05
- Q.7 (a) Explain the pathophysiology of acute renal failure and its management. 06
(b) Explain the laboratory tests for assessing liver function 05
(c) Define the following and provide normal range values for each: 05
i) MCHC ii) PT iii) MCV iv) ESR v) Hb
