

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
DIPLOMA PHARMACY YEAR- 2 • EXAMINATION – WINTER - 2023

Subject Code: 420002

Date:12-12-2023

Subject Name: Pharmaceutical Chemistry-II

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 following terms **06**
(i) Antiseptics
(ii) Antithyroid agents
(iii) Lipid lowering agents
(iv) Antifungal agents
(v) Adrenergic drugs
(vi) Anticonvulsant agents
- (b) Define antibiotics. Briefly classify them with examples **05**
(c) Describe classification of sulphonamide with suitable examples **05**
- Q.2** (a) Define and classify antimalarial agents. Write the structure of pyrimethamine **06**
(b) Write a note on anti-tubercular drugs **05**
(c) Define anti-histaminic agents. Classify them with suitable examples **05**
- Q.3** (a) Define sedative and hypnotics. Briefly classify them with suitable examples **06**
(b) Write the difference between general and local anaesthetics **05**
(c) Write a note on anticoagulants **05**
- Q.4** (a) Describe classification of oral hypoglycemic agents. Write a note on phenformin **06**
(b) Write a note on diagnostic agents **05**
(c) Define and classify anti-neoplastic agents. **05**
- Q.5** (a) Write a detail classification of anti-hypertensive agents. **06**
(b) What do you mean by diuretics? Write a detail note on furosemide. **05**
(c) Write a short note on vitamins **05**
- Q. 6** (a) What are NSAIDs? Classify them with suitable examples. **06**
(b) What are tranquilizers? Classify them with suitable examples **05**
(c) What are antiameobic and anthelmintic agents? Write a note on D.E.C. **05**
- Q.7** (a) Write the popular brand name of following **06**
(i) Aspirin
(ii) Lignocaine
(iii) Thyroxine
(iv) Propranolol
(v) Chloroquine
(vi) Metronidazole

- (b) Write the structure of following 05
- (i) Paracetamol
 - (ii) Chloro cresol
 - (iii) Dapsone
 - (iv) Imipramine
 - (v) Chloroquine
- (c) Draw the structure of following heterocyclic ring system 05
- (i) Thiophene
 - (ii) Phenothiazine
 - (iii) Indole
 - (iv) Pyridine
 - (v) Pyrrole



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