

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

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

**Subject Code: DP201TP**

**Date: 11-12-2023**

**Subject Name: Pharmacology**

**Time: 10:30 AM TO 01:30 PM**

**Total Marks: 80**

**Instructions:**

1. Question -1 is compulsory to attempt.
2. Attempt any 04 questions from Question 2 to 7.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

**Q.1 Answer the following questions. (Attempt Any 16) (1 mark each) 16**

- 1) Define Pharmacokinetics.
- 2) Simvastatin act as Antihyperlipidemic agent by inhibiting the \_\_\_\_\_ Enzyme
- 3) Name the specific COX II inhibitor.
- 4) \_\_\_\_\_ a specific Adrenergic Beta<sub>2</sub> receptor agonist used in Asthma.
- 5) Enlist the Drugs used as Mydriatics and Miotics.
- 6) \_\_\_\_\_ is an example of proton pump inhibitor.
- 7) Justify the statement that Propranolol is contraindicated in Asthma.
- 8) Co-trimoxazole is the combination of \_\_\_\_\_ & \_\_\_\_\_.
- 9) Kanamycin belongs to \_\_\_\_\_ group of antibiotics.
- 10) \_\_\_\_\_ is the 1<sup>st</sup> line drug use in the treatment of Amoebiasis.
- 11) Give example of Antimetabolite Anticancer agent.
- 12) \_\_\_\_\_ is an Antiviral agent Reverse Transcriptase inhibitor.
- 13) 8-aminoquinoline derivative Antimalarial agent is \_\_\_\_\_.
- 14) Define Chemotherapeutic Agent and Antibiotics.
- 15) Dapsone is a drug of choice for \_\_\_\_\_.
- 16) Name the drug used in Glaucoma.
- 17) Give examples of skeletal Muscle relaxants.
- 18) \_\_\_\_\_ is an example of Carbonic Anhydrase inhibitor.
- 19) Warfarin is used as \_\_\_\_\_.
- 20) Give three examples of Drugs used in Peptic Ulcer.

**Q.2 (a) Classify Antiadrenergic Drugs and write Pharmacological actions, therapeutic uses and Adverse effects of Propranolol. 06**

**(b) What is absorption? Discuss the factors affecting absorption of Drug. 05**

**(c) Classify Diuretics. Write a note on Loop Diuretics. 05**

**Q.3 (a) Enlist the Insulin preparations. Classify Oral hypoglycemic agents and write Pharmacological actions, indications and contraindications of Metformin. 06**

**(b) Write classification of Drug used in Asthma. Write in brief about management of Asthma. 05**

**(c) Write pharmacological actions of Histamine. Classify Antihistaminic and write their uses. 05**

- Q.4** (a) What is Arrhythmia? Classify Antiarrhythmic agents and write pharmacological actions, indications and contraindications of Quinidine. **06**
- (b) Classify Antihypertensive agents. Write pharmacological actions, indications and contraindications of Calcium channel blockers. **05**
- (c) Write Difference between the Barbiturates and Benzodiazepines as sedative hypnotics. **05**
- Q.5** (a) Write in detail pharmacological actions, uses and toxic effects of drug used in Congestive Cardiac Failure. **06**
- (b) Classify NSAIDS. Write pharmacological actions, indications and contraindications of Salicylates. **05**
- (c) What is epilepsy? Classify Antiepileptic agent and write pharmacological actions, indications and contraindications of Phenytoin. **05**
- Q. 6** (a) Classify Anticancer Drugs. Write a note on Antimetabolites. **06**
- (b) Classify Antimalarial agents. (Chemical and clinical), Write a note on Quinine. **05**
- (c) Justify the following statements : **05**
1. Ethanol is used in methanol poisoning.
  2. Carbidopa is combined with the Levodopa in the treatment of Parkinsonism.
- Q.7** (a) Classify anti T.B. Agents. Why Multidrug regime is required in T.B. Write uses and Adverse effects of INH and Rifampicin. **06**
- (b) Describe the stages of General Anesthesia and classify local anesthetic agents. **05**
- (c) Write uses and adverse effects of Tetracycline, Streptomycin and Penicillin. **05**

\*\*\*\*\*