

# C.U.SHAH UNIVERSITY

## Winter Examination-2022

Subject Name : Pharmacology III - Theory

Subject Code : BP602T

Branch: B.Pharm

Semester: 6

Date: 20/09/2022

Time: 11:00 To 02:00

Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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- Q-1 A Answer the followings in brief: (20)**
- a) Write significance of chronopharmacology in treatment of cardiovascular disease.
  - b) Explain circadian rhythms.
  - c) Define monoclonal antibodies.
  - d) Give examples of immunosuppressants.
  - e) Enlist cytotoxic agents as immunomodulator.
- B Write mechanism of action and therapeutic uses of following:**
- a) Chloramphenicol
  - b) Streptomycin
  - c) Ethambutol
  - d) Cephalosporins
  - e) Albendazole
- Q-2 Attempt any two of following : (20)**
- A** Write different classes of drugs acting on nucleic acid synthesis in detail. **10**
- B** Write about the life cycle of malarial parasites and drugs acting on various stages of it. Write a note on artemisinin. **10**
- C** Classify anticancer drugs and write a note on plant derivatives as anticancer agents. **10**
- Q-3 Attempt any Seven of following : (35)**
- A** Enumerate naturally derived antifungal agents. Write mechanism of action, therapeutic uses and adverse effects of ketoconazole. **5**
- B** Classify anti-viral drugs and explain mechanism of action of enfuvirtide. **5**
- C** Classify laxatives and purgatives. **5**
- D** Discuss mechanism of action, therapeutic uses and adverse effects of proton pump inhibitors. **5**
- E** Classify anti-asthmatic agents. Write a note on bronchodilators. **5**
- F** Compare and contrast emetics and antiemetics **5**
- G** Enlist various types of toxicity studies. Write acute toxicity study in detail. **5**
- H** Explain management of barbiturate poisoning. **5**
- I** Write clinical symptoms and management of lead poisoning. **5**

