Total No. of Questions: 08

## M.Sc. (Pharmaceutical Chemistry) (Sem.-3) CHEMISTRY OF DRUGS-III

Subject Code: MSPC-203

M.Code: 20510

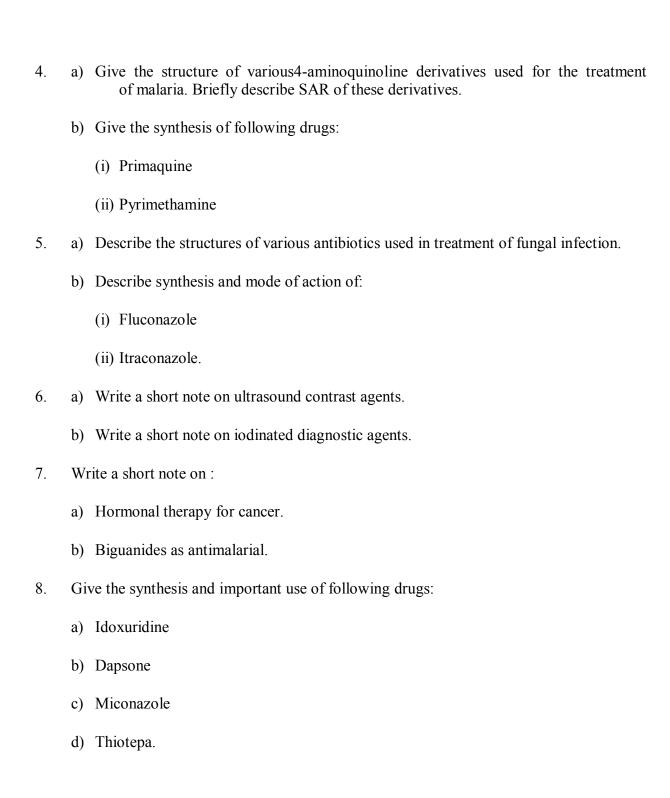
Date of Examination: 14-12-22

Time: 3 Hrs. Max. Marks: 80

## **INSTRUCTIONS TO CANDIDATES:**

- 1. Attempt any FIVE questions out of EIGHT questions.
- 2. Each question carries SIXTEEN marks.
- 1. Give the synthesis and specific one clinical use of following:
  - a) Zidovudine
  - b) Acyclovir
  - c) Rimantadine
  - d) Vidarabine.
- 2. a) Give the structure and IUPAC name of clinically used antimetabolites for the treatment of cancer.
  - b) Describe the synthesis of:
    - (i) Chlorambucil
    - (ii) Cyclophosphamide
- 3. a) Write a short note on:
  - (i) Antimalarial
  - (ii) Alkaloids
  - b) Describe the synthesis of:
    - (i) Tamoxifen
    - (ii) Dromostanolone propionate

**1** M-20510 (S11)-326



NOTE: Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

**2** M-20510 (S11)-326