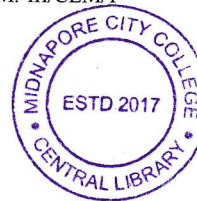


**PG CBCS**  
**M.Sc. Semester-III Examination, 2022**  
**CHEMISTRY**  
 PAPER: C-CEM 304  
**(PHARMACEUTICAL CHEMISTRY)**

**Full Marks: 40****Time: 2 Hours****GROUP - A**

- 1. Answer any FOUR questions from the following questions: 2×4 = 8**
- a) What is pharmaceutical chemistry?
  - b) Classify the nervous system in anatomy.
  - c) What are expectorants? Give an example.
  - d) What are the side effects of nerve stimulants?
  - e) How is malaria transmitted?
  - f) What is antiviral resistance?
  - g) Give two examples of antipyretic drugs.
  - h) Mention different hormones that thyroid gland secretes.

**GROUP - B**

- 2. Answer any FOUR questions from the following questions: 4×4 = 16**
- a) (i) What is malaria?  
 (ii) Describe briefly the life cycle of malaria parasite. (2+2)
  - b) (i) What are the different types of anesthesia and when are they used?  
 (ii) How do you take care of an anesthetic patient during pregnancy and for operative delivery? (2+2)
  - c) (i) What is Parkinson's disease?  
 (ii) What is the cause and symptoms of Parkinson's disease? (2+2)
  - d) What is the physiological role of histamine?
  - e) What are antiviral drugs? Describe the side effects of antiviral.
  - f) (i) What is the use of thyroid hormones?  
 (ii) What are the symptoms of attention deficit hyperactivity disorder (ADHD)? (2+2)



- g) (i) What are anti-viral drugs?  
(ii) Write the name of four anti-viral drugs. (2+2)
- h) (i) What are the properties of disinfectants and antiseptics?  
(ii) Write applications of antiseptics. (2+2)

**GROUP - C**

**3. Answer any TWO questions from the following questions: 8×2 = 16**

- a) (i) What are the signs and symptoms of malaria?  
(ii) Write a short note on "chemotherapy of malaria". (4+4)
- b) Describe various types of fungal diseases and their symptoms.
- c) (i) Describe the importance of organic chemistry in the pharmaceutical industry.  
(ii) Write a short note on the classification of drugs. (4+4)
- d) Write a short note on disinfectants and antiseptics.

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