

PG CBCS
M.SC. Semester-III Examination, 2021
CHEMISTRY
PAPER: C-CEM 304
(PHARMACEUTICAL CHEMISTRY)

Full Marks: 40**Time: 2 Hours**

Answer any FOUR questions from the following: 4x10 =40

1. (a) What is meant by pharmaceutical chemistry?
 (b) Classify the nervous system in anatomy.
 (c) What is expectorants? Give an example.
 (d) What are side effects of nerve stimulant? 2.5 × 4
2. (a) Describe the importance of organic chemistry in pharmaceutical industry.
 (b) Write short note on classification of drugs. 5+5
3. (a) What is malaria?
 (b) How is malaria transmitted?
 (c) Describe briefly the life cycle of malaria parasite. 2+2+6
4. (a) What are the different types of anesthesia and when are they used?
 (b) Is anesthesia safe?
 (c) How do you take care of an anesthetic patient during pregnancy and for operative delivery? 3+3+4
5. (a) What are Antifungal Agents?
 (b) What are the four main types of antifungal drugs?
 (c) Describe various types and symptoms of fungal infections. 2+3+5
6. (a) What is the physiological role of histamine?
 (b) What is Parkinson's disease?
 (c) What is cause and symptoms of Parkinson's disease? 5+2+3
7. (a) Write a short note on disinfectant and antiseptics.
 (b) What is the use of thyroid hormones? 6+4
8. (a) What are viruses?
 (b) What are side effects of antivirals?
 (c) What is antiviral resistance?
 (d) Can antivirals prevent the spread of viral infections?
 (e) How long do you need to take antiviral drugs? 5 × 2

(P.T.O.)

9. (a) What are antipyretics drugs?
(b) Give two example of antipyretic drugs.
(c) What are the symptoms of attention deficit hyperactivity disorder (ADHD)? 2+2+6
10. (a) Classify drugs based on chemical nature, source and target organs.
(b) Write a short note on “chemotherapy of malaria”. 5+5
