

BACHELOR OF PHARMACY (B. PHARM.) (CBCS - 2015 COURSE)
Final Year B. Pharm. Sem-VII : WINTER : 2021
SUBJECT: MEDICINAL CHEMISTRY-III

Day : Monday
Date : 10-01-2022

W-13720-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.:

- 1) **Q.1 and Q. 5 are COMPULSORY.** Out of the remaining attempt **TWO** questions form Section- I and any **TWO** questions form Section-II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION-I

- Q.1** Answer any **FIVE** of the following: (10)
- a) Write down structure of any two antimalarial agents.
 - b) Sketch out the synthesis of nitro heterocyclic amebicidal agent.
 - c) Give examples of drugs used in Trypanosomiasis.
 - d) Give any two points in SAR of phenols.
 - e) Classify helminths.
 - f) Give any two antiviral agents along with their structure.
- Q.2** What are alkylating agents? Classify and discuss in detail different alkylating agents. (10)
- Q.3** Discuss in detail the life cycle of malarial parasite. Enumerate the SAR of cinchona alkaloids. (10)
- Q.4** Write short notes on : (**ANY TWO**) (10)
- a) Quaternary ammonium compounds as antiseptic and disinfectant.
 - b) Anti-amebic agents.
 - c) Antileprotic agents.

SECTION-II

- Q.5** Answer any **FIVE** of the following: (10)
- a) Write down synthesis of chloramphenicol.
 - b) Write down structure and give use of griseofulvin.
 - c) Draw structure of 6APA and 7 ACA.
 - d) Sketch out synthesis of sulfacetamide.
 - e) Enlist any four quinolone antibacterial agents.
 - f) What are polyene antibiotics?
- Q.6** Define term- Antibiotic. Give chemistry, SAR, MOA and uses of penicillin's. (10)
- Q.7** Give classification sulfonamide. Explain in brief N-I substituted sulfonamides. (10)
- Q.8** Write short notes on : (**ANY TWO**) (10)
- a) Synthetic antifungal agents.
 - b) Aminoglycoside antibiotics
 - c) SAR of Quinolones

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