

FINAL YEAR B.PHARM. SEMESTER-VII (2011 COURSE) :

WINTER - 2017

SUBJECT: MEDICINAL CHEMISTRY- III

Day: Thursday

Time: 02.00 PM TO 05.00 PM

Date: 09/11/2017

W-2017-3843

Max Marks: 80

N.B:

- 1) Q.No 1 and Q.No. 5 are **COMPULSORY**. Out of the remaining solve Any **TWO** questions from each section.
- 2) Both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1 Answer Any **FIVE** of the following: (10)
- a) Enlist any two examples along with their structures belonging to Antitrypanosomal class
 - b) Give synthesis of Ethambutol
 - c) Give any two examples of antiseptic along with their structure.
 - d) Give any two examples of alkaloids used as anticancer agents.
 - e) Give any two examples of Heterocyclic Amebicidal agents
 - f) Sketch out the synthesis of Dapsone
- Q.2 What are antimalarial agents? Give their classification, Discuss chemistry, SAR and uses of 4-amino quinolones. (15)
- Q.3 What are antineoplastic agents? Give their classification and discuss in brief Antimetabolites as anticancer along with one synthesis. (15)
- Q.4 Write short notes on Any **THREE** of the following: (15)
- a) Antiviral agents
 - b) Antileprotic agents
 - c) Phenols as antiseptics
 - d) Drugs used for roundworm and tapeworm infections

SECTION-II

- Q.5 Answer Any **FIVE** of the following: (10)
- a) What are purgatives? Give its examples.
 - b) Give example of sulphonamide having long duration of action along with structure.
 - c) Sketch out the synthesis for sulphaguanidine.
 - d) Give any two examples of polypeptide antibiotics.
 - e) Give the chemical synthesis of chloramphenicol.
 - f) Give two examples along with one structure of synthetic antifungal agents.
- Q.6 What are beta lactum antibiotics? Give their examples. Explain in detail penicillins. (15)
- Q.7 What are sulphonamides? Give its chemistry, SAR, MOA and uses. (15)
- Q.8 Write short notes on Any **THREE** of the following: (15)
- a) Antifungal antibiotics
 - b) Stability of tetracyclines
 - c) Flouroquinolones
 - d) Laxatives

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