

Third Year Pharm. D : SUMMER - 2019
SUBJECT: MEDICINAL CHEMISTRY

Day : Friday

Date : 19/04/2019

Time : 10.00 A.M. TO 01.00 P.M.

Max. Marks : 70

S-2019-4515

N. B. :

- 1) Que. 1 and Que. 5 are compulsory. Out of remaining attempt any two questions from each section
- 2) Figures to the right indicate full marks
- 3) Answers to the both sections would be written in SEPARATE answer books.

SECTION-I

- Q.1** a) Answer **ANY FOUR** of the following. (08)
- i) Define and classify preservatives.
 - ii) Classify antiscabies and antipedicular agents.
 - iii) Classify anti-AIDS agents.
 - iv) Draw structures of any two anthelmintics.
 - v) Write applications of combinatorial chemistry
- b) Classify antibiotics. (03)
- Q.2** a) Write a note on SAR of tetracyclines. (07)
- b) Write a note on SAR of sulphonamides. (05)
- Q.3** Define and classify antimalarial agents. Write a detail note on antimalarial agents. (12)
- Q.4** Write synthesis of **ANY THREE** (12)
- a) Metronidazole
 - b) Primaquine
 - c) Furosemide
 - d) 17 β - oestradiol

SECTION-II

- Q.5** a) Answer **ANY FOUR** of the following. (08)
- i) Draw structures of any two anticoagulants.
 - ii) Classify antiarrhythmic agents.
 - iii) Discuss any two antithyroid drugs.
 - iv) Draw structures of any two adrenocorticoids.
 - v) Discuss any two vasodilators.
- b) Write synthesis of any one antihypertensive agent. (03)
- Q.6** a) Discuss in detail about antineoplastic agents. (07)
- b) Discuss hypoglycemic agents in detail. (05)
- Q.7** Write a detail note on diuretics. (12)
- Q.8** Write note on **ANY THREE** of the following (12)
- a) Iodine containing diagnostic agents
 - b) Antihyperlipidemic agents.
 - c) Oestrogens
 - d) Calcium channel blockers

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