

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

Day : Friday

Date : 05/07/2019

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

Max. Marks : 70

S-2019-4544

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) Classify antitubercular agents.
 - ii) Write the limitations of prodrugs.
 - iii) Classify anthelmintics.
 - iv) Classify sulphonamides.
 - v) Classify urinary tract antiinfective agents.
- b) Classify antiviral and anti-AIDS agents. (03)
- Q.2** a) Write a note on quinolines as antimalarial agents. (07)
- b) Write a note on antitubercular agents. (05)
- Q.3** Define and classify antibiotics. Write detail note on β -lactam antibiotics. (12)
- Q.4** Write synthesis of **ANY THREE** (12)
- a) Ampicillin
 - b) Propranolol
 - c) Sulphadiazine
 - d) Thiabendazole

SECTION-II

- Q.5** a) Answer **ANY FOUR** of the following. (08)
- i) Classify vasodilators
 - ii) HMG Co-A reductase inhibitors
 - iii) Draw structures of any two adrenocorticoids.
 - iv) Write synthesis of any one hypoglycemic agent
 - v) Mode of action of thiazide diuretic
- b) Classify antiarrhythmic agents with suitable examples (03)
- Q.6** a) Discuss hypoglycemic agents in detail. (07)
- b) Write detail note on antihypertensive agents. (05)
- Q.7** Write a detail note on antineoplastic agents. (12)
- Q.8** Write note on **ANY THREE** of the following (12)
- a) SAR of thiazide diuretics.
 - b) Coagulants and anticoagulants
 - c) Diagnostic agents
 - d) Thyroid and antithyroid drugs

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