

THIRD YEAR PHARM. D (SUPPLEMENTARY) : SUMMER - 2018

SUBJECT : MEDICINAL CHEMISTRY

Day : **Friday**

Date : **06/07/2018**

S-2018-4065

Time : **10.00 AM to 01.00 PM**

Max. Marks : 70

N.B.:

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** A) Answer **ANY FOUR** of the following: [08]
i) Classify anti-AIDS agents.
ii) Enlist the methods of QSAR along with its application.
iii) Classify antifungal agents.
iv) Classify antitubercular agents.
v) Classify antiamoebic agents.
- B) Write SAR of quinolones as a urinary tract anti-infectives. [03]
- Q.2** a) Write note on Aminoglycoside antibiotics. [07]
b) Write SAR of sulphonamides. [05]
- Q.3** Write detail note on 4-amino quinolines as antimalarial agents. [12]
- Q.4** Write the synthesis of **ANY THREE** of the following: [12]
a) Ampicillin
b) Sulphacetamide
c) Dapsone
d) Chloramphenicol

SECTION – II

- Q.5** A) Answer **ANY FOUR** of the following: [08]
i) Agents used in liver function test and renal function test.
ii) Structures of any two thiazide diuretics.
iii) Structures of any two calcium channel blockers.
iv) Structures of any two anti-metabolites used as antineoplastic agents.
v) MOA of prazosin.
- B) Classify antineoplastic agents with examples. [03]
- Q.6** a) Write a detail note on diagnostic agents. [07]
b) Classify diuretics and give SAR of thiazide diuretics. [05]
- Q.7** Write a detail note on antihypertensive agents. [12]
- Q.8** Write a note on **ANY THREE** of the following: [12]
a) Hypoglycemic agents
b) Adrenocorticoids
c) Coagulants and anticoagulants
d) Antiarrhythmic agents