

DOCTOR OF PHARMACY
Third Year Pharm. D. : SUMMER : 2022
SUBJECT : MEDICINAL CHEMISTRY

Day : Thursday
Date : 19-05-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 70

S-5741-2022

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.
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SECTION-I

- Q.1 a)** Answer **ANY FOUR** of the following. **(08)**
i) Draw TWO structures of antiprotozoal agents.
ii) Define QSAR. Enlist methods of QSAR.
iii) Classify antiviral agents.
iv) Classify antifungal agents.
v) Write structures of Pyrazinamide and Ethambutol.
- b)** Define and classify antimalarial agents. **(03)**
- Q.2 a)** Write a note on systemic sulphonamides. **(07)**
- b)** Write a note on SAR of tetracyclines. **(05)**
- Q.3** Classify antibiotics. Write a detail note on penicillins and cephalosporins. **(12)**
- Q.4** Write synthesis of **ANY THREE** **(12)**
a) Ethacrynic acid
b) Sulphamethoxazole
c) Methothrexate
d) Chloramphenicol

SECTION-II

- Q.5 a)** Answer **ANY FOUR** of the following. **(08)**
i) Draw structures of any two antihypertensives.
ii) Classify antiarrhythmic agents
iii) Draw structures of any two steroidal hormones.
iv) Describe any one anticoagulant.
v) Explain thyroid hormones.
- b)** Discuss antihyperlipidemic agents. **(03)**
- Q.6 a)** Discuss in detail about diuretics. **(07)**
- b)** Discuss hypoglycemic agents in detail. **(05)**
- Q.7** Write a detail note on antineoplastic agents. **(12)**
- Q.8** Write note on **ANY THREE** of the following **(12)**
a) Diagnostic agents
b) Adrenocorticoids
c) Antithyroid drugs
d) Antianginal drugs

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