Sub Code: RPH733

Paper Id: 150721 Roll No: | | | | | | | | | | | | | |

B. PHARM

(SEM VII) THEORY EXAMINATION 2019-20

PHARMACEUTICAL CHEMISTRY- VIII (MEDICINAL CHEMISTRY-III)

Time: 3 Hours ***Total Marks: 70***

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x 7 = 14

a.	Give a general introduction and nomenclature of steroids.
b.	Define and classify Antibiotics on chemical basis with example.
c.	What is the basic difference between the Antiseptic and Disinfectant?
d.	Give the synthesis and uses of PAS.
e.	Discuss SAR of Diloxanide.
f.	What are the uses of the Alkylating agents?
g.	Write a short note on uses of Saquinavir.

SECTION B

2. Attempt any *three* parts of the following: 7 x3 = 21

a.	Classify and discuss stereochemistry of adrenocorticoids.
b.	Write a detailed account on antiviral agents with special references to polymerase inhibitors.
c.	Explain mechanism of action, uses and synthesis of Primaquine.
d.	Give the SAR of Sulphonamides derivatives used as antibacterial.
e.	Classify cephalosporins. Discuss recent advancement in cephalosporins.

SECTION C

3. Attempt any *one* parts of the following: 7 x 1 = 7

a.	Classify Antimalarial drugs and write their mechanism of action.
b.	Discuss SAR & synthesis of albendazole.

4. Attempt any *one* parts of the following: 7 x 1 = 7

a.	Give the mechanism of action, uses and synthesis of ketoconazole.
b.	Classify aminoglycosides. Write their mechanism of action and uses.

5.Attempt any *one* parts of the following: 7 x 1 = 7

a.	Write synthesis, mechanism of action and uses of 5-Flourouracil.
b.	Explain mechanism of action, uses and synthesis of doxorubicin.

6. Attempt any *one* parts of the following: 7 x 1 = 7

a.	Discuss SAR of isoniazide and write its mechanism of action.
b.	Write about mode of action and SAR of Nalidixic acid.

7. Attempt any *one* parts of the following: 7 x 1 = 7

a.	Give a note on androgen and discuss the mechanism of action of Testosterone?
b.	Write about SAR and mode of action of Progestational agents.

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