PAPER ID-310009

Roll No: | | | | | | |

B PHARM
(SEM-V) THEORY EXAMINATION 2020-21
PHARMACOLOGY-II

Time: 3 Hours *Total Marks: 75*

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

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a.	Define arrhythmia. What do you understand by re-entry?
b.	Write the mechanism of action of nitrates.
c.	Low molecular weight heparin is better than high molecular weight heparin. Justify.
d.	How aspirin acts as antiplatelet?
e.	Summarize the physiological and pathological role of prostaglandins on uterus and cardiovascular system.
f.	Illustrate the mode of action of allopurinol as anti-gout drug.
g.	Enlist various endocrine glands and hormones secreted by each of them.
h.	Explain the regulation of insulin secretion.
i.	Define Bioassay. Classify various types of bioassay.
j.	What are anabolic steroids?

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a.	Classify drugs for CHF. Describe the mechanism, pharmacological action, uses, interactions of digitalis.
b.	Enlist NSAIDs. Discuss the detailed pharmacology of aspirin.
c.	Summarize the class of drugs acting on uterus. Explain the pharmacology of oxytocin.

SECTION C

3. Attempt any *five* parts of the following: **5 x 7 = 35**

a.	Classify antihyperlipidemic drugs and discuss the pharmacology of HMG-CoA reductase inhibitors.
b.	What are hematinic? Discuss the pharmacological actions and uses of iron.
c.	Illustrate the mode of action, uses and adverse reactions of warfarin sodium.
d.	Demonstrate arachidonic acid pathway. Explain the physiological and pathological roles of prostaglandins.
e.	Classify various types of diabetes. Explain the mode of action, adverse reactions, interactions and uses of insulin.
f.	Classify thyroid inhibitors. Explain the pharmacology of thioamides.
g.	Describe various types of oral contraceptives. Explain the rationale of oral contraception.

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