Printed Pages: 01 **Sub Code: BP 404T**

Paper Id: 238175 **Roll No.** | | | | | | | | | | |

B PHARM
(SEM IV) THEORY EXAMINATION 2022-23
PHARMACOLOGY-1 THEORY

Time: 3 Hours ***Total Marks: 75***

Note: 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 drug tolerance.Explain with example.
(b) What is enzyme inhibition? Give one example of enzyme inhibitors
(c) What do you mean by regulation of receptors?
(d) Define dose response relationship.
(e) What is co-transmission of neurotransmitter?
(f) What is mechanism of action of local anaesthetics?
(g) What are pre-anaesthetics agents? Explain with example
(h) Give drug interaction between MAO inhibitors and sympathomimetic Drugs
(i) What are hallucinogens. Give two examples.
(j) Differentiate between partial agonist and inverse agonist. Explain with example

SECTION B

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

(a) What is signal transduction.Discuss in detail JAK-STAT binding receptors.
(b) Explain in detail factors modifying drug action.
(c) Classify sympathomimetic drugs. Give pharmacological action, adverse effect and uses of Adrenaline

SECTION C

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

(a) Elaborate drug used in treatment of Glaucoma
(b) Explain in detail G-protein coupled receptor.
(c) Describe the Principle and mechanism of action of drug
(d) Describe Neurohumoral transmission in ANS
(e) Classify Antiepileptics. Give pharmacological action, adverse effect and uses of Phenytoin
(f) Discuss various routes of drug administration. Elaborate advantage and disadvantage of Oral route.
(g) Classify Anti-parkinsons Drugs. Give mechanism of action, pharmacological action, adverse effect and uses of levodopa.

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