Name:	
Enrolment No:	

UPES
End Semester Examination, May 2024

Course: Pharmacology	Semester: VI
Program: B. Tech (Biotech)	Duration : 3 Hours
Course Code: HSFN3008	Max. Marks: 100

S. No.	Section A **Short answer questions/ MCQ/T&F** **(20Qx1.5M= 30 Marks)**	Marks	Cos
Q 1	Name the neurotransmitter that is involved in sympathetic nervous system.	1.5	CO1
Q2	Atropine causes decreased salivation. (True/False)	1.5	CO2
Q3	Hydrolysis is a type of phase 2 metabolic reaction. (True/False)	1.5	CO1
Q4	Which of the following receptors is present in the heart? a. Alpha 1 b. Beta 3 c. Beta 2 d. Beta 1	1.5	CO2
Q5	State the effect of sympathetic nervous system on blood vessels.	1.5	CO3
Q6	State the name of any catecholamine.	1.5	CO2
Q7	Give full form of COMT.	1.5	CO1
Q8	Delerium is which stage of general anesthesia?	1.5	CO1
Q9	State the normal blood pressure range in a healthy human.	1.5	CO2
Q10	Define bioavailability.	1.5	CO2
Q11	List the neurotransmitter involved in depression.	1.5	CO1
Q12	Nalaxone is used as _____.	1.5	CO3
Q13	Name any drug used as an anti-anxiety agent.	1.5	CO4
Q14	Carbidopa is used in _____ disease.	1.5	CO4
Q15	Name any two antidepressant drugs.	1.5	CO5
Q16	Identify an excitatory neurotransmitter. a. Glycine b. GABA c. Norepinephrine d. All	1.5	CO5
Q17	In which phase of clinical trial, the safety of medicines is tested?	1.5	CO5
Q18	Define synergism.	1.5	CO3

Q19	Define idiosyncratic reaction.	1.5	CO4
Q20	Melatonin helps in maintaining the biological clock of the body. True/False	1.5	CO2
Section B **(4Qx5M=20 Marks)**			
Q 1	Write a short note on inhalation anesthetic agents.	5	CO2
Q 2	Give role of acetylcholine and epinephrine in human body (2 points each).	5	CO3
Q 3	Write about TCA class of anti-depressants with suitable examples.	5	CO4
Q 4	Discuss the applications of benzodiazepines as therapeutic agents with examples.	5	CO1
Section C **(2Qx15M=30 Marks)**			
Q 1	Give important parameters in the diagnosis of depression. Give relevant drugs used for treatment of depression.	15	CO5
Q 2	Discuss antipsychotic agents.	15	CO4
Section D **(2Qx10M=20 Marks)**			
Q 1	Write about difference between local and general anesthesia. Discuss 4 stages of general anesthesia.	10	CO4
Q 2	Discuss drug abuse and drug addiction with suitable examples.	10	CO2