## Birla Institute of Technology and Science, Pilani, Rajasthan) Mid Sem. Examination, First Sem-2022-2023

Course Code: PHA C 311 Max. Marks: 30 Date: 04/11/22 Instructions: Answer all the questions. Be crisp and answer to the point. Flow chart can be accepted wherever need	Corse Name: Pharmacology Closed Book Duration: 90 Minutes
Q-1: Comment on the followings:	10.0 M
<ul> <li>i) What happens when nicotinic receptor (Nm) are blocked?</li> <li>ii) Why, twitching and fasciculation are commonly observed with -depolarie relaxant) agents ?</li> <li>iii) If you are late in exam and start getting anxiety, panicking and enter in changes happens to the physiological response? Write the name of hormore receptor involved for the observed response.</li> <li>iv) Adrenaline is not synthesized and present in brain while NA is main new v) Propranolol should be avoided in bronchial asthmatic patients?</li> <li>vi) Oral route is very convenient and prefer route for Insulin to treat Diabet vii) Anti-cholinesterase inhibitor -neostigmine does not work in Alzheimer</li> </ul>	examination hall in rush, What he /neurotransmitter and its urotransmitor, why?.
<ul><li>Q-2 a): What do you mean by Myasthenia Gravis ? What are the clinical armanagement?</li><li>b) Why does thymocetomy be needed in some patient?</li></ul>	pproaches for its treatment and 2.5 M
Q-3: How, PGs and LTs are generated? Why, the pain sometime sharp, faster, localized and sometimes dull, slow, not properly localized? $(1.5 + 1.5 \text{ M})$ <u>Q-4:</u> What do you mean by parasympathomimetic agents? Explain with the help of suitable examples.2.0 M	
<b><u>Q-5</u></b> : Explain the followings with the help of suitable example:	4.5 M
i) Nuclear and enzyme linked receptor activation and its signaling pathway	tropic receptor iii) GPCR-
Q-6:Drug metabolism is a crucial aspect in which most of the p biotransformation /chemical alteration, so that they can be eliminate generated metabolite may be useful or harmful based on the metabolis	ed more easily. Sometime-the

biotransformation /chemical alteration, so that they can be eliminated more easily. Sometime-the generated metabolite may be useful or harmful based on the metabolic enzyme system (microsomal and non-microsomal-CYP 450) that may be varying due to parmacogenetic. 4.5 M

a) Write the mechanism and treatment of Paracetamol toxicity.

b) Drug-isoniazid has toxicity in fewer patients, why?

c) How does biliary recycling enterohepatic recirculation affect the elimination half-life of drugs?

Q-7: a) What are warfare nerve gases? How is organophosphate (AchE-inhibitor) poisoning treated? (3.5M) b)What do you mean by Half life of drug? How many half lives of a drug does it take to eliminate 100 % of the drug from the body?

c) What do you mean by Relative and absolute bioavailability?