Total No. of Questions: 08

Ph.D in Faculty of Pharmacy PHARMACOLOGY M.Code: 77385

Time: 3 Hrs. Max. Marks: 70

INSTRUCTIONS TO CANDIDATES:

- 1. Attempt any FIVE questions out of EIGHT question.
- 2. Each question carry FOURTEEN marks.
- 1. Indicate main families of receptors and discuss critically about G-protein coupled receptors.
- 2. What is apoptosis? Discuss mechanism of apoptotic cell death.
- 3. Give an account of anti-oxidants and their therapeutic uses.
- 4. What are toxicity studies? Indicate various types of toxicity studies and outline procedure to carry out sub-acute toxicity of an entity.
- 5. What is CPCSEA? Discuss critically the role of CPCSEA in regulating experiments on animals.
- 6. Write a note on ELISA and its applications.
- 7. Add a note on PCR and blotting techniques.
- 8. What is acute inflammation? Discuss in detail about mediators of inflammation.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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