

**Subject: Pharmacology**  
**Paper: II**

**Time: 2 hrs.**  
**Full Marks : 40**

**Use Seperate answer script for each group**

*Attempt all questions. The figures in the margine indicate distribution of marks in each questions*

**Group- A**

1. a) Classify Antitubercular drugs. What is the regimen for treatment of a freshly detected smear positive pulmonary tuberculosis case in adult and why is this regimen based on combination of drugs? What is the important adverse reaction of ethambutol? 3+5+2
- Or
- b) Give an outline of the treatment of Parkinson's disease. Mention the drugs responsible for producing extra pyramidal symptoms. How will you treat drugs induced Parkinsonism? 6+2+2

**Group-B**

2. Explain why? (*any three*) : 3 x 3
- a) Penicillins are ineffective in Mycoplasma Pneumonia infection.
  - b) Amphotericin B liposomal preparation is better than conventional amphotericin B preparation in treatment of kala azar.
  - c) Clavulamic acid is combined with Amoxixillin.
  - d) Proton pump inhibitors are powerful suppressors of gastric acid secretion.

**Group – C**

3. What are the effects of (*any three*) : 3 x 3
- a) Lignocaine on sensory neurons.
  - b) Methotrexate on malignant cells.
  - c) Pioglitazone in diabetes mellitus.
  - d) Oxytocin on uterus.

**Group -D**

4. Write short notes on (*any four*) : 4 x 3
- a) Emergency Contraceptives.
  - b) Mifepristone.
  - c) Artemisinin derivates in the treatment of malaria.
  - d) d-penicillamine.
  - e) Pentazocine.