



PHARMACOLOGY

PAPER – III

PHARM/D/14/34/III

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

1. Enumerate anti-malarial drugs based on their clinical usefulness. Discuss the chemoprophylaxis for a patient suffering from:
a) Chloroquine sensitive infection
b) Chloroquine resistant infection 2+4+4
2. Enumerate the drugs useful in the treatment of osteoporosis. Discuss the current approaches in the management of post menopausal osteoporosis. 2+8
3. Enumerate the uses of fluoroquinolones. Discuss their therapeutic status in the treatment of pulmonary tuberculosis. 4+6
4. Enumerate the antimicrobial agents used in treatment of Urinary Tract Infection (UTI) based on their spectrum of activity. Discuss the management of UTI caused by gram -ve infection in a patient of renal failure. 4+6
5. Discuss the etiopathogenesis, management and recent advances for treatment of Parkinson disease. 3+4+3
6. Discuss the physiological role, pharmacological function and clinical uses of vitamin A. 2+4+4
7. What are drug interactions? Describe the pharmacokinetic and pharmacodynamic factors responsible for drug interactions giving suitable examples. 2+(4+4)
8. Enumerate the clinically used haemopoietic growth factors. Discuss briefly the mechanism of action, therapeutic uses, therapeutic monitoring and adverse effects of recombinant erythropoietin. 2+(2+2+2+2)
9. What are parametric and nonparametric tests employed in Research? When would you use the following test:
a) Wilcoxon Rank Sum Test
b) Mann-Whitney U Test 2+4+4

P.T.O.