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.