



**Second Professional MBBS Degree Supplementary Examinations,
August 2017**

Pharmacology- Paper II

Time: 2 Hours**Total Marks: 40**

- Answer all questions
- Draw diagrams wherever necessary

Essays:**(2x6=12)**

1. Classify oral hypoglycemic agents. Explain the mechanism of action and adverse effects of any one group. (2+2+2)
2. A 20 years old pregnant women developed a mild bacterial upper respiratory tract infection. She was given cap. tetracycline 250 mg thrice daily for 3 days. Answer the following questions:
 - Comment on the treatment for a mild bacterial infection
 - Comment on the use of tetracycline in pregnancy
 - If it were a severe infection what would be the choice of antibiotic in a pregnant woman. (2+2+2)

Short notes:**(5x3=15)**

3. 4th generation cephalosporins
4. Metronidazole
5. Chloroquine
6. Bisphosphonates
7. Clomiphene citrate

Answer briefly:**(5x1=5)**

8. Mechanism of action of INH
9. Rationale for the use of combination of drugs in cancer chemotherapy
10. Pharmacological basis for the use of thalidomide in lepra reaction
11. Anti- thyroid drugs safe during pregnancy
12. Rationale for the use of folic acid in methotrexate overdose

Name two drugs:**(8x1=8)**

13. Treatment of MDR-TB
14. Post exposure prophylaxis of HIV (acquired immunodeficiency syndrome)
15. Treatment of acne vulgaris
16. Prophylaxis of rheumatic fever
17. Insulin analogues
18. Proton pump inhibitors
19. Topical antifungal agents
20. Anabolic steroids
