

July 2019

18PHD002

# BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER (PHARMACOLOGY)

QP CODE - 6017

Duration: 1 ½ Hrs

Max Marks: 50

I Answer the following.

5 x 2 = 10 Marks

1. Mechanism of action of Co-trimoxazole.
2. Advantages of Beta Lactamase inhibitors.
3. Tetracyclines are not combined with antacids. Give reason.
4. Enumerate Pharmacological properties of Vit. C.
5. Enumerate endogenous anti-oxidants.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Mechanism of action of Fluroquinolones.
7. Mechanism of action of Macrolide Antibiotics.
8. Pharmacological properties of Aminoglycosides .
9. Describe in brief role of in Vit. C in Health and Disease.
10. Describe role of reactive oxygen species in cell signaling & Homeostasis

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Classify Penicillins. Describe the mechanism of action, Therapeutic uses and adverse effects of Benzyl penicillin.
12. Describe current research on Antimicrobial resistance.
13. Describe the role of anti-oxidants in health & disease.