

July 2019

18PHD004

# BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II : BACKGROUND PAPER (MICROBIOLOGY)

QP CODE - 6011

Duration : 1 ½ Hrs

Max Marks : 50

I Answer the following

5 x 2 = 10 Marks

1. Classify Enterobacteriaceae based on lactose fermentation
2. E.coli O157:H7
3. Intestinal flora
4. Catalase test
5. Key biochemical reactions of Tribe Escherichiae.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Genotypic methods for detection of ESBL
7. Universal precautions
8. Indole production test
9. E test
10. MacConkey agar

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Describe the pathogenesis & laboratory diagnosis of Escherichia coli.
12. Write in detail about the mechanisms of drug resistance in Gram negative bacilli.
13. Enumerate the methods of Antibiotic Sensitivity Testing. Describe Kirby Bauer's disc diffusion method.