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Seat No.

Bachelor of Physiotherapy (Sem. III) Examination**March / April - 2019****BPTOC - 302 : Microbiology**

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Answer should be brief and to the point.
(2) Illustrate answer with suitable diagrams.
(3) Figures to the right indicate full marks.

SECTION - I**1 Long Answer : (Any One out of Two) 1x15=15**

- (a) Define sterilization. Classify physical methods of sterilization. Describe in brief principle and uses of Autoclave.
- (b) Classify Mycobacterium. Describe in brief pathogenesis and laboratory diagnosis of Pulmonary Tuberculosis.

2 Short Answer : (Any Three out of Four) 3x5=15

- (a) Laboratory diagnosis of *Candida albicans*
- (b) Agglutination reactions
- (c) Bacterial growth curve
- (d) Laboratory diagnosis of *Vibrio cholerae*

3 Very Short Answer : (Any Five out of Seven) 5x2=10

- (a) Enumerate four DNA viruses
- (b) Name two wastes discarded in yellow bag
- (c) Enumerate two applications of ELISA
- (d) Enumerate four bacteria causing urinary tract infections
- (e) Mention two toxins produced by fungi
- (f) Enumerate two non-suppurative infections associated with *Streptococcus pyogenes*
- (g) Draw a neat labeled diagram of IgM

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