



GAN-036019

Seat No. _____

B. Sc. (Sem. VI) Examination

March / April - 2019

**BSCC605C : Microbiology
(Medical Microbiology)**

Time : 3 Hours]

[Total Marks : 70

1 Answer the following (Any Two) 14

- (A) What is invasiveness ? Explain role of bacterial secretions in invasiveness.
- (B) Describe the process of phagocytosis.
- (C) Explain factors affecting process of infection.
- (D) Write short note on : Pathogenesis of Viral Diseases.

2 Answer the following (Any Two) 14

- (A) Explain General characteristics of antimicrobial drugs.
- (B) Explain factors influencing antimicrobial drug effectiveness.
- (C) Explain antibacterial drugs inhibitors of cell wall synthesis.
- (D) Write short note on : Drug resistance.

3 Answer the following (Any Two) 14

- (A) Explain normal micro flora of gastrointestinal tract.
- (B) Describe ELISA.
- (C) Write a note on : Nosocomial infections.
- (D) Explain infectious disease cycle.

4 Answer the following (Any Two) 14

- (A) Explain symptoms, mode of transmission, prophylaxis and control of malaria.
- (B) Explain systemic mycoses.
- (C) Explain bacterial diseases of respiratory tract.
- (D) Write a note on : AIDS.

5 Answer in one or two sentence. 14

- (A) Name chemicals contributing to the non-specific defense against viruses.

- (B) Expand the term 'CDC'.
 - (C) Define epidemiology.
 - (D) Name any two antifungal antibiotics.
 - (E) Define interferon.
 - (F) Name causative agent of Japanese encephalitis.
 - (G) Name causative agent of athlete's foot disease.
 - (H) Name vector responsible for transmission of kala-azar disease.
 - (I) Name any antibiotic that inhibits protein biosynthesis in bacteria.
 - (J) Define immunofluorescence.
 - (K) Expand the term 'MRSA'.
 - (L) What is herd immunity.
 - (M) Name any two protein toxins of bacteria.
 - (N) Name any one normal microflora of skin.
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