

B.Sc. 3rd Semester (New Scheme)

Examination, November-2017

(BIOTECHNOLOGY)

MEDICAL MICROBIOLOGY

Paper-BT-301

Time allowed : 3 hours]

[Maximum marks : 40

Note: Question No. 1 is Compulsory and attempt any four questions selecting one question from each unit given below. All questions carry equal marks.

1. Write short notes on following: 1 x 8 = 8
- (a) Microbiology
 - (b) Virulence
 - (c) Causative agent of Plague
 - (d) Laminar air flow cabinet
 - (e) Causative agent of polio
 - (f) Difference between bacteria and viruses
 - (g) Mycology
 - (h) Parasite

Unit-I

2. Describe the morphology, symptoms, diagnosis and treatment for mycobacterium tuberculosis in detail. 8
3. Write the short notes on any two: 8
- (a) Nosocomial infections

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- (b) Biosafety levels
- (c) Tetanus

Unit-II

- 4. Describe the morphology, symptoms, diagnosis and treatment for causative agent for Typhoid in detail? 8
- 5. Write the short notes on any two: 8
 - (a) Prevention and treatment of cholera
 - (b) Sexually Transmitted Diseases
 - (c) Chlamydia

Unit-III

- 6. Describe the cause, symptoms, diagnosis and prevention of HIV/AIDS? 8
- 7. Write the short notes on any two: 8
 - (a) Influenza virus
 - (b) Viral hepatitis
 - (c) Herpes viruses

Unit-IV

- 8. Describe the vector, symptoms, diagnosis and treatment for causative agent for Malaria in detail? 8
- 9. Write the short notes on any two: 8
 - (a) Opportunistic infection (fungi)
 - (b) Giardiasis
 - (c) Blood-borne infections