

B.Sc. Nursing Part-I Examination

January - 2015

Subject: MICROBIOLOGY

Time: Three Hours

Maximum Marks: 80

Attempt any *FIVE* questions.

(All questions carry equal marks.)

- Q.1 Define Sterilization. Enumerate the methods of sterilization. Describe the methods of infection control. 16
- Q.2 Describe the structure, pathogenesis and laboratory diagnosis of human immuno deficiency virus (HIV). 16
- Q.3 Discuss briefly (any four) 4 x 4 = 16
- (a) Biomedical waste management
  - (b) Types of immunity
  - (c) Classification of viruses
  - (d) Rodents and vectors
  - (e) Life cycle of malaria
- Q.4 Define immunity. Describe concept of hypersensitivity. Explain in detail about ELISA test. 16
- Q.5 Briefly discuss 8 x 2 = 16
- (a) Gram-staining.
  - (b) Methods of disinfection.
- Q.6 Write short note on: 4 x 4 = 16
- (a) Asepsis
  - (b) Cold chain
  - (c) Candidiasis
  - (d) Standard safety measures.