

B.Sc. Nursing Part-I Examination

November - 2017

Subject: MICROBIOLOGY

Time: Three Hours

Maximum Marks: 80

Attempt any *FIVE* questions.

(All questions carry equal marks.)

- Q.1 Define the following: 8 x 2 = 16
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|----------------------------|-----------------|
| (a) Bacterial capsule | (b) Immunity |
| (c) Type of cocci bacteria | (d) Asepsis |
| (e) Cold chain | (f) Solid media |
| (g) Components of virus | (h) IgG |
- Q.2 Briefly discuss: 2 x 8 = 16
- (a) Antigen antibody reaction
(b) Bio-medical waste management
- Q.3 Write short notes on following: 4 x 4 = 16
- (a) General characteristics of microbes
(b) Describe different sources of infection.
(c) Define immunization. What is live and killed vaccine ?
(d) What are the sources and methods of transmission of infection?
- Q.4 Discuss briefly: 2 x 8 = 16
- (a) Methods of sterilization
(b) Describe in detail the importance and relevance of microbiology to nursing
- Q.5 Discuss briefly (Any four): 4 x 4 = 16
- (a) Gram staining
(b) Write down the factors that affect bacterial growth
(c) Rodents and vectors
(d) Opportunistic fungi
(e) Write the principle of microbiology
- Q.6 What is Infection ? Describe the life cycle of entamoeba histolytic and lab. Diagnosis of amoebiasis. 16