

B.Sc. Nursing Part-I Examination

December - 2010

Subject: MICROBIOLOGY

Time: Three Hours

Maximum Marks: 80

Attempt any *FIVE* questions.

(All questions carry equal marks.)

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- Q.1 What is sterilization? Enumerate the method of sterilization. Describe autoclaving in detail. 16
- Q.2 Name the causative organism of syphilis. Describe in detail the different clinical stages and lab. Diagnosis of syphilis. 16
- Q.3 Describe the life cycle, pathogenesis and laboratory diagnosis of plasmodium falciparum.
- Q.4 Describe briefly (any 4) :- 4 x 4 = 16
- (a) Laboratory diagnosis of urinary tract infection.
 - (b) ELISA
 - (c) Candidiasis
 - (d) Segregation of bio-medical.
 - (e) Standard safety precautions.
- Q.5 Briefly discuss : 8 x 2 = 16
- (a) Hospital acquired infection.
 - (b) Laboratory diagnosis of HIV/ ADS.
- Q.6 Differentiate between the following :- 4 x 4 = 16
- (a) Active and passive immunity.
 - (b) Cell wall of gram +ve and gram-ve.
 - (c) Exotoxin and endotoxin.
 - (d) Bacteria and virus