



HBB-21265

Seat No. _____

First Year Basic B. Sc. (Nursing) Examination

August – 2017

Microbiology

Time : **3** Hours]

[Total Marks : **75**

Instructions :

- (i) Figures on right indicates full marks.
- (ii) Draw neat and clean diagram wherever necessary.
- (iii) Write Section-I and Section-II in separate answer books.

SECTION – I

1 Long Essay : (Any one) 15

- (a) Describe Morphology, Cultural Charecteristic, pathogenicity and lab diagnosis of 'Staphylococcus aureus'.

OR

- (b) Define Hospital Acquired Infection. Describe various sources and methods of prevention of Hospital Acquired Infection.

2 Write Short Notes : (any three) 3×5=15

- (a) Passive Immunity.
- (b) Autoclave.
- (c) Laboratory diagnosis of `Vibrio Cholera' infection.
- (d) Treatment and disposal of Biomedical waste.
- (e) Gram staining.

3 Write in short : (any four) 4×2=8

- (a) Define Sterilization. Write method of sterilization of operation theatre.
- (b) Different arrangement of Bacterial flagella.
- (c) Indication and principle of WIDAL test.
- (d) Name 2 bacteria causing Sexually transmitted disease name diseases caused by them.
- (e) Classify immunoglobulins.
- (f) Name two Acid fast bacteria.

SECTION - II

- 4 Long Essay : (any **one**) **1×10=10**
- (a) Describe Morphology and lab diagnosis of 'Entamoeba histolytica'.
 - (b) Describe morphology and lab diagnosis of Hepatitis B virus.
- 5 Write Short Notes : (any **three**) **3×5=15**
- (a) Candida albicans.
 - (b) Collection and transport of sample from lesions of superficial fungal infections.
 - (c) Immunoprophylaxis of Rabies virus infection.
 - (d) Laboratory diagnosis of Malaria.
- 6 Write in very short : (**all** compulsory) **6×2=12**
- (a) Mode of infection of Wucheraria bancrofti(filarial parasite).
 - (b) Polio vaccines.
 - (c) Define Vector. Give two examples.
 - (d) Name common helminthes eggs found in stool examination.
 - (e) Name two laboratory tests for diagnosis of Dengue infection.
 - (f) Name four organisms transmitted by infected blood transfusions.
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