



BA-21265

Seat No. _____

First Year B. Sc. (Basic Nursing) Examination

March - 2021

Microbiology

Time : **3.00** Hours]

[Total Marks : **75**

SECTION - I

1 Long answer : (Any One) 15

- (a) Name the different species of malaria **2+5+3+3+2=15**
parasite. Describe the life cycle, clinical features, laboratory
diagnosis and complications of plasmodium falciparum
malaria.

OR

- (b) Define Sterilization and disinfection. Classify **2+2+5+6=15**
the various methods of sterilization and add a note on
autoclave.

2 Write short notes on : (Any three) 3×5=15

- (a) Robert Koch and his postulates.
(b) Classify culture media with examples.
(c) WIDAL test.
(d) Active immunity.

3 Briefly answer : (Any four) 4×2=8

- (a) Antigen
(b) Iatrogenic
(c) Hydrophobia
(d) Name any antiseptics
(e) Name two examples for blood parasites.

SECTION - II

- 4 Long answer : (Any **one**) **10**
(a) Define hypersensitivity. Write in detail about Type I hypersensitivity. **2+8=10**

OR

- (b) What is infection ? Define Nosocomial infection. Enlist organisms causing nosocomial infection. Describe in detail role Hospital Infection Control Nurse. **2+2+2+4=10**
- 5 Write short notes : (Any **three**) **3×5=15**
(a) Bacterial birth curve.
(b) Lab diagnosis of Tuberculosis.
(c) Biomedical Waste Management.
(d) Gram staining.
- 6 Briefly answer : (**All** are compulsory) **6×2=12**
(a) Ig G antibody.
(b) Name four bacteria causing pyogenic meningitis.
(c) Name two antifungal drugs.
(d) Cross infection.
(e) Toxic shock syndrome.
(f) Name two fungi causing infection.
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