



MY-21265

Seat No. _____

First Year Basic B. Sc. (Nursing) Examination

January – 2018

Microbiology

Time : **3 Hours**]

[Total Marks : **75**

- Instructions :** (1) Figures on right indicates full marks.
(2) Draw neat and clean diagram wherever necessary.
(3) Write Sec. I and Sec. II in separate answer books.

SECTION – I

1 Long Essay : (Any One) 15

- (a) Describe Morphology, Cultural Characteristic, pathogenicity and lab diagnosis of 'Salmonella typhi'.

OR

- (b) Define sterilization. Write in detail about dry heat sterilization methods.

2 Write Short Notes : (Any Three) 3×5=15

- (a) Aquired Immunity.
(b) Veneral Disease Research Laboratory test (VDRL test)
(c) Sources of Hospital acquired infection.
(d) Gram staining.

3 Write in short : (Any Four) 4×2=8

- (a) Write method of sterilization of operation theatre.
(b) Disposal of used needle and syringes.
(c) Draw structure of Clostridium welchii and Clostridium tetani.
(d) Tuberculin test.
(e) Immunization schedule.
(f) Name two transport culture media and their uses.

SECTION – II

4 Long Essay : (Any **One**) **1×10=10**

- (a) Describe life cycle of *Ankylostoma duodenales* (Hook worm).

OR

- (b) Describe morphology and lab diagnosis of '*Plasmodium vivax*'

5 Write Short Notes : (Any **Three**) **3×5=15**

- (a) *Candida albicans*.
(b) Lab diagnosis of Intestinal Amoebiasis.
(c) Morphology and lab diagnosis of Rabies virus infection.
(d) Laboratory diagnosis of Human immunodeficiency virus/AIDS.

6 Write in very short : (all compulsory) **6×2=12**

- (a) Mode of infection and hosts of *Wucheraria bancrofti* (filarial parasite).
(b) Classification of Fungi.
(c) Methods of disposal of infected blood bags.
(d) Name two common helminthes infections and lesions caused by them.
(e) Name two laboratory tests for diagnosis of Hepatitis B infection.
(f) Segregation of Biomedical wastes.