



**MR-21265**                      Seat No. \_\_\_\_\_  
**First Year Basic B. Sc. (Nursing) Examination**  
**July - 2016**  
**Microbiology**

Time : 3 Hours]

[Total Marks : 75

- Instructions :** (1) Figures on right side indicate Full Marks of the Question.  
(2) Draw Neat and Clean Diagram wherever it is necessary.  
(3) Write down Each Section in a separate answer sheet.

**SECTION - I (38 Marks)**

- 1** Enumerate different types of Serological Reactions. **15**  
Describe Precipitation reaction with its examples.
- OR**
- 1** Describe Morphology, pathogenecity and laboratory diagnosis of : Streptococcus Pyogens. **15**
- 2** Write short notes on any **three** : **15**  
(a) Hot Air Oven  
(b) Immunization schedule  
(c) Anaphylaxis Reaction  
(d) Immunoglobulin M  
(e) Flagella.
- 3** Write Answers in 2-3 Sentences Only : (any **four**) **8**  
(a) Name different types of filters used for the sterilization purpose.  
(b) Name two Selective media and their uses.  
(c) Give two differences between Active and Passive Immunity.  
(d) Name four bacteria that causing Urinary tract Infections.  
(e) Name four methods of anaerobic cultivation.  
(f) Name four bacteria that causing food poisoning.

**SECTION - II (37 Marks)**

- 4 Discuss pathogenesis and lab diagnosis of Hepatitis B Virus infection. **10**

**OR**

- 4 Describe pathogenesis and laboratory diagnosis of 'Ascaris lumbricoides'. **10**

- 5 Write short notes on any **three** : **15**

- (a) Life cycle of plasmodium vivax.
- (b) Cultivation of viruses.
- (c) Superficial Mycosis.
- (d) Discuss methods of disposal of biomedical waste.

- 6 Write Answers in 2-3 Sentences Only : (All compulsory) **12**

- (a) Name two vectors and parasitic diseases are transmitted by them.
- (b) Mode of infection of Entamoeba histolytica.
- (c) Give two differences between live and killed polio vaccine.
- (d) Name two hepatitis viruses that are spread by feco-oral route.
- (e) Name two parasitic infections in which man acts as an Intermediate host.
- (f) What is the importance of hand hygiene in Hospital ?

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