

**F. Y. P. B. B. Sc. (Nursing) (2007 COURSE): WINTER - 2021**  
**SUBJECT : MICROBIOLOGY**

Day : Saturday  
Date : 16/10/2021

Time : 10:00 A.M. TO 1:00 P.M.  
Max. Marks : 75

**W-2021 - 5668**

**N.B.”**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION – I**

**Q.1** Write short notes on **ANY FIVE** of the following: **[10]**

- a) Give four examples of Gram Positive bacilli.
- b) Define Sterilization. Enlist four disinfectants.
- c) Indole test.
- d) Structure of antibody
- e) Koch's Postulates
- f) Classify immunity
- g) Define carrier and name types of carriers

**Q.2** Short Answer Questions on **ANY FOUR** of the following: **[16]**

- a) Anaphylaxis
- b) Laboratory diagnosis of diphtheria
- c) Agglutination
- d) Nagler's reaction
- e) Bacterial cell wall
- f) Universal safety precautions

**Q.3** Long Answer Questions on **ANY ONE** of the following: **[12]**

- a) Enumerate pyogenic cocci. **[02]**
- b) Describe morphology cultural characteristics and pathogenicity of *Staphylococcus aureus*. **[06]**
- c) Add a note on coagulase test. **[04]**

**OR**

- a) Enumerate four causative agents of urinary tract infection. **[02]**
- b) Describe morphology cultural characteristics and pathogenicity of *Esch. Coli*. **[06]**
- c) Laboratory diagnosis of UTI. **[04]**

P.T.O.

## SECTION – II

**Q.4** Write short notes on **ANY FIVE** of the following: **[10]**

- a) Name two DNA and RNA viruses.
- b) What are parasites and name two parasite?
- c) Name four vector born diseases.
- d) Structure of HIV virus.
- e) Pathogenicity of Adeno virus.
- f) Morphological types of fungi.
- g) What is Poliomyelitis?

**Q.5** Short Answer Questions on **ANY FOUR** of the following: **[16]**

- a) Neural and non-neural vaccines in Rabies.
- b) Pathogenicity of *Entamoeba histolytica*.
- c) Immunization in polio.
- d) Candidiasis
- e) Laboratory diagnosis of Rubella Virus.
- f) Difference between amoebic and bacillary dysentery.

**Q.6** Long Answer Questions on **ANY ONE** of the following:

- a) What is AIDS? **[02]**
- b) Write down pathogenicity and clinical features of AIDS. **[04]**
- c) Transmission and prevention of AIDS. **[05]**

**OR**

- a) Enlist the four species of Malaria. **[02]**
- b) Draw life cycle and explain pathogenicity of Malaria. **[04]**
- c) Laboratory diagnosis of Malaria. **[05]**

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