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POST BASIC BACHELOR OF SCIENCE (NURSING)
F. Y. P. B. B. Sc. (Nursing) : WINTER- 2022
SUBJECT : MICROBIOLOGY

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 14-11-2022

W-5660-2022

Max. Marks : 75

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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.
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SECTION – I

- Q.1** Write short answers on **ANY FIVE** of the following. **(10)**
- a) Acid fast staining
 - b) Morphological classification of bacteria
 - c) Dark ground microscope
 - d) Enumerate 4 bacterial vaccines
 - e) Define antibody. Enumerate its types.
 - f) Enumerate food borne infections.
 - g) Robert Koch.

- Q.2** Write short answers on **ANY FOUR** of the following. **(16)**
- a) Elek's gel precipitation test
 - b) Hot air oven
 - c) Flagella
 - d) Laboratory diagnosis of diphtheria
 - e) Anaphylaxis
 - f) Biomedical waste disposal

- Q.3** Write long questions on **ANY ONE** of the following. **(12)**
- a) Enumerate gram negative bacilli. **(02)**
 - b) Describe morphology, cultural characteristics and pathogenicity of *Salmonella typhi*. **(06)**
 - c) Describe laboratory diagnosis of enteric fever. **(04)**

OR

- a) Enumerate pyogenic cocci. **(02)**
- b) Describe morphology, cultural characteristics, toxins and enzymes of *Staphylococcus aureus*. **(06)**
- c) Laboratory diagnosis of Staphylococcal infections. **(04)**

SECTION – II

- Q.4** Write short answers on **ANY FIVE** of the following. **(10)**
- a) Neural and non-neural vaccines in Rabies.
 - b) Morphology of Dermatophytes.
 - c) Difference between amoebic and bacillary dysentery.
 - d) Name 4 insect borne diseases.
 - e) Pathogenesis of Mump's virus.
 - f) Name 4 helminthes.
 - g) Polio vaccine

P.T.O.

Q.5 Write short answers on **ANY FOUR** of the following. **(16)**

- a) Life cycle of malarial parasite.
- b) Laboratory diagnosis of AIDS.
- c) Cryptococcosis.
- d) Giardiasis
- e) Laboratory diagnosis of herpes.
- f) Cultivation of virus.

Q.6 Write long questions on **ANY ONE** of the following. **(11)**

- a) Enumerate DNA viruses. What is hepatitis? **(02)**
- b) Describe pathogenicity of Hepatitis B. **(04)**
- c) How it is diagnosed in laboratory? **(05)**

OR

- a) What is opportunistic mycosis? **(02)**
- b) Describe morphology, cultural characteristics and pathogenesis of Candida albicans. **(04)**
- c) Laboratory diagnosis of candidiasis. **(05)**

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