

S.Y. B.SC. (NURSING) (2007 COURSE) : SUMMER - 2019

SUBJECT : MICROBIOLOGY

Day : Tuesday
Date : 30/04/2019

S-2019-4330

Time : 10.00 A.M. TO 01.00 P.M.
Max. Marks : 75

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 book.

SECTION – I

- Q.1** Write short notes on **ANY FIVE** of the following: **(10)**
- a) Acid-Fast Staining
 - b) Universal Safety Precautions
 - c) Laboratory diagnosis of Malaria
 - d) Methods of Transmission of Infection
 - e) Disease caused by Salmonella Typhi
 - f) Different shapes of bacteria with figure
 - g) Definition of Immunity
- Q.2** Short Answer Questions on **ANY FOUR** of the following: **(16)**
- a) Cold chain
 - b) Biomedical Waste Management
 - c) Kochi's Postulates
 - d) Culture Media
 - e) Opportunistic Fungi
 - f) VDRL test
- Q.3** Long Answer Questions on **ANY ONE** of the following: **(12)**
- a) Define Hypersensitivity. Classify Hypersensitivity and Describe Anaphylaxis in detail.
 - b) Define Sterilization. Enumerate methods of sterilization. Describe in detail about 'Autoclave'.

SECTION – II

- Q.4** Write short notes on **ANY FIVE** of the following: **(10)**
- a) Immunoglobulin M
 - b) List of Capsulated Bacteria
 - c) Diseases caused by Mycobacterium species
 - d) Uses of Chocolate Agar
 - e) Helminth Infection
 - f) Primary tests for diagnosing HIV
 - g) List of chemicals used for sterilization
- Q.5** Short Answer Questions on **ANY FOUR** of the following: **(16)**
- a) Contribution of Louis Pasteur
 - b) AIDS
 - c) Media used to grow fungi
 - d) Difference between Prokaryotes and Eukaryotes
 - e) Type II Hypersensitivity Reaction
 - f) Differentiate between Active and Passive immunity
- Q.6** Long Answer Questions on **ANY ONE** of the following: **(11)**
- a) Define the term Fever, explain in detail about Plasmodium Falciparum and describe the laboratory diagnosis of Malaria.
 - b) List of viruses causing Hepatitis, describe the diagnosis of Hepatitis B virus and explain about the prophylaxis of Hepatitis B.

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