

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[BSCN 0224]**

**FEBRUARY 2024**

**Sub. Code: 4705**

**B.Sc. (Nursing) DEGREE EXAMINATION  
(Regulation 2006-2007 onwards)**

**FIRST YEAR  
PAPER V – MICROBIOLOGY**

***Q.P. Code: 664705***

**Time: Three Hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. What is Infection? What are the types of infection? Describe the sources and mode of transmission of infection.
2. Enumerate the viruses causing Hepatitis. Describe the morphology, clinical features, pathogenicity, laboratory diagnosis and prevention of Hepatitis B virus.

**II. Write notes on:**

**(5 x 5 = 25)**

1. Write a note on influenza causing virus.
2. Explain the features and infection mechanism of the disease Candidiasis.
3. The Life cycle of Malaria.
4. Immunoglobulins - types and function.
5. Pathogenicity of *Pseudomonas aeruginosa*.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Enumerate organisms causing sore throat.
2. McIntosh fildes Jar.
3. Define normal flora.
4. Elek Gel test.
5. Eukaryote.
6. What is L-form bacteria?
7. BCG.
8. Give two examples of Blood Parasites.
9. Water borne diseases.
10. How will you collect specimen for blood culture?

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