

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

**[BSCN 1122]**

**NOVEMBER 2022  
(AUGUST 2022 EXAM SESSION)**

**Sub. Code: 4705**

**B.Sc. (Nursing) DEGREE EXAMINATION  
(Regulations for the candidates admitted from 2006-07 onwards)**

**FIRST YEAR  
PAPER V – MICROBIOLOGY**

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

**Time: Three Hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Define and classify hypersensitivity. Write in detail about type I hypersensitivity.
2. Define sterilization and write in detail about physical methods of sterilization.

**II. Write notes on:**

**(5 x 5 = 25)**

1. Acid fast staining.
2. Sugar medium.
3. CSF- collection procedure.
4. Electrophoresis.
5. Cultivation of virus.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Anaerobic medium.
2. Hide porter's disease.
3. WIDAL test cut off value for O & H antigen.
4. Tyndallisation.
5. Name two toxins produced by clostridium tetani.
6. Germ tube test.
7. Any four factors affecting growth of bacteria.
8. Vaccine.
9. Draw the structure of rabies virus.
10. Mention any two method of staining done for fungus.

\*\*\*\*\*