

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

[BSCN 0622]

**JUNE 2022
(FEBRUARY 2022 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. Classify bacteria describe the factors affecting bacterial growth.
2. Define gas gangrene. Write about the morphology, culture characters, pathogenesis and lab diagnosis of clostridium.

II. Write notes on: **(5 x 5 = 25)**

1. Gram staining.
2. Culture method.
3. Collection of sputum for tuberculosis diagnosis and sampling methods.
4. Antibiotic sensitivity test.
5. Principles of microbiology to be followed by the nurse

III. Short answers on: **(10 x 2 = 20)**

1. Shape of bacteria
2. CSF.
3. Thermophile.
4. Benefits of bacteria as normal flora.
5. Magnification in light microscope
6. Focal infection.
7. Mention any four characters of virus.
8. Types of antigen.
9. Non pyogenic complications of *S.pyogenes*.
10. Polio vaccine.
