

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

[BSCN 0523]

MAY 2023

Sub. Code: 4705

(FEBRUARY 2023 EXAM SESSION)

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 Streptococci and write elaborately about the Lab diagnosis and Pathogenicity of Streptococcus Pyogenes.
2. Describe the mode of transmission, prevention and laboratory diagnosis of Human Immuno Deficiency Virus.

II. Write notes on:

(5 x 5 = 25)

1. Koch's postulate.
2. Flagella.
3. Bio-medical Waste Management.
4. Candidiasis.
5. Principles of preparation and uses of vaccines in Immunization.

III. Short answers on:

(10 x 2 = 20)

1. Contributions of Alexander Fleming.
2. Write four applications of Microbiology in the field of Nursing.
3. Mention the names of the reagents used for Gram staining.
4. Give examples of Type III Hypersensitivity.
5. Mention four different Chemical methods of Sterilization.
6. Name any four Opportunistic fungi.
7. Define Precipitation. Give example.
8. Write the different mode of Transmission of Infection.
9. Define Nosocomial infection.
10. What are the various phases in Bacterial growth curve?
