

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 2602

**B.Sc. RESPIRATORY THERAPY
FIRST YEAR (Regulation 2014-2015)
PAPER II – MICROBIOLOGY & PATHOLOGY
Q.P NO. 802602**

Time: Three Hours

Answer All questions

Maximum : 100 Marks

I. Elaborate on :

(3X10=30)

1. Define Biomedical Waste management. Describe in detail about the segregation, transportation and disposal of Biomedical Wastes. Add a note on legal implications of Biomedical Waste Management.
2. List out the different sources of Hospital Associated Infections. Elaborate on the routine surveillance testing carried out in a tertiary care hospital. Add a note on Sterilisation of Respiratory Intensive Care unit.
3. Explain in detail about acute and chronic inflammation.

II. Write Notes on :

(8X5=40)

1. Natural killer cells.
2. Normal Microbial flora.
3. Innate immunity.
4. Bacterial drug resistance.
5. Antigen antibody reactions.
6. Aspergillosis.
7. Apoptosis.
8. Pertussis infection.

III. Short Answers on :

(10X3=30)

1. Pneumococcal Vaccine.
2. Granulomatous infections.
3. Cultivation of Anaerobic organisms.
4. Evaluation methods for disinfectants.
5. Mention any three differences between Gram Positive and Gram Negative Cell wall.
6. Needle stick injury.
7. Functions of lymphatics.
8. Bacterial Flagella.
9. Mention any three differences between Active and Passive Immunity.
10. Uses of N95 face mask.
