

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

**[LR 1220]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 1212**

**DIPLOMA IN CRITICAL CARE TECHNOLOGY  
SECOND YEAR – (Regulation from 2010 -2011)  
PAPER II – APPLIED MICROBIOLOGY & INFECTION CONTROL  
INCLUDING CSSD  
Q.P. Code: 841212**

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All Questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the various modes of Transmission of Infection with suitable examples.
2. Define Healthcare Associated Infection (HAI). List the various types of HAI. What are the various methods for their prevention?
3. Define Biomedical Waste. List the types of Biomedical waste generated in Hospital. Describe the methods of Segregation and Disposal.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Carriers.
2. Standard precautions.
3. Hospital infection Control committee.
4. Spauldings classification.
5. Needle stick injury.
6. Prophylaxis for Hepatitis B.
7. Methods of Sterilisation and Disinfection in Operation theatres.
8. Prevention of Catheter Associated Urinary Tract Infection.
9. Plasma Sterilization.
10. Laboratory diagnosis of HIV infection.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define Epidemic. Give two examples.
2. Name two Microorganisms causing Urinary Tract Infection.
3. Name two device related infections in a Critically ill patient.
4. Airborne precautions.
5. Name four Personnel Protective Equipment.
6. List two Multidrug resistant organisms causing Infection.
7. Hand hygiene steps.
8. Pasteurisation.
9. Determination of Air quality in a Critical Care setting.
10. List two uses of Gluteraldehyde.

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