

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

[LR 1220]

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

**Sub. Code: 1041**

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY  
SECOND YEAR – (Regulation from 2014 -2015, 2015-2016 & 2018-2019)  
PAPER I – PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY  
Q.P. Code: 841041**

**Time : Three Hours**

**Maximum : 100 Marks**

**Answer All Questions.**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss in detail the structure, clinical features, pathogenesis and transmission of HIV.
2. Classify Culture Media and add a note on various Culture Methods.
3. Define and classify Shock. Add a note on pathophysiology of Shock.

**II. Write notes on:**

**(10 x 5 = 50)**

1. Treatment of Organo phosphorous poisoning.
2. Plasma Expanders.
3. Types of Gangrene with example.
4. Laboratory diagnosis of Tuberculosis.
5. Natural Killer Cells and its function.
6. Aerobes and Anaerobes.
7. Routes of Drug Administration.
8. What are the methods followed to dispense Biomedical Wastes.
9. Autoimmune disorders.
10. Explain Teratogenicity with appropriate examples.

**III. Short answers on:**

**(10 x 2 = 20)**

1. Define Antigen and Antibody.
2. Define Dysplasia.
3. Transmission of Hepatitis B virus.
4. Prothrombin time.
5. Commensals.
6. Stem cells.
7. Draw a Microscope and mark the parts.
8. Atropine.
9. Signs of Inflammation.
10. Name Any Two Antiseptic Agents.

\*\*\*\*\*