

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

[AHS 0423]

APRIL 2023

Sub. Code: 1016

**B.Sc. ACCIDENT AND EMERGENCY CARE TECHNOLOGY**  
**SECOND YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)**  
**PAPER I – PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY**  
*Q.P. Code: 801016*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Classify NSAID and explain about Paracetamol.
2. Define Jaundice, and Mention some of the causes and laboratory findings seen in a Jaundiced patient. Write briefly about Hepatitis – B virus induced Liver disease.
3. Classify Hospital Acquired Infections and add a note on Ventilator Associated Pneumonia and its prevention.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Classification and indication for Oral Hypoglycemic drugs.
2. Indication, dose, adverse effect of adrenaline.
3. Drugs used in the treatment of Bronchial Asthma.
4. Difference between dry gangrene and wet gangrene.
5. Type I hypersensitivity reaction.
6. Medical gases O<sub>2</sub> and N<sub>2</sub>O.
7. Acid Fast Staining.
8. Universal precautions.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Name any three uses of Povidone Iodine.
2. Name any two Narcotic Antagonists.
3. Define Pharmacopoeia.
4. Treatment for Organophosphorus poisoning.
5. Etiology of cell injury.
6. Chemical mediators of Inflammation.
7. Weil's disease.
8. Tyndallization.
9. List three opportunistic infections typically associated with HIV infection.
10. Give two examples for blood parasites.

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