

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

**[PHARMD 0424]**

**APRIL 2024**

**Sub. Code: 3803**

**PHARM. 'D' DEGREE EXAMINATION  
FIRST YEAR (2009-2010 Regulation)  
PAPER III – MEDICINAL BIO-CHEMISTRY**

*Q.P. Code: 383803*

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 70 Marks**

**I. Elaborate on:**

**(4 x 10 = 40)**

1. Elaborate on HMP Shunt with the significance.
2. Describe in detail Electron transport chain with its mechanism in energy capture.
3. Discuss about DNA Replication and its repair mechanism.
4. Explain in detail factors affecting enzyme activity.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Cell and its Biochemical organization.
2. Glucose Tolerance Test.
3. Protein Turnover and Nitrogen Balance.
4. Jaundice.
5. Dye test for Liver Excretory Function.
6. Ketone bodies.

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