

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1402

**B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY
FIRST YEAR (Regulations 2010-2011, 2014-2015 & 2018-2019 onwards)**

PAPER II - BIOCHEMISTRY & PATHOLOGY

Q.P. Code: 801402

Time: Three Hours

Maximum : 100 Marks

Answer All questions

I. Elaborate on : **(3 X 10 = 30)**

1. Define Inflammation. Explain acute and chronic inflammation.
2. Define Carbohydrates. Elaborate on classification of carbohydrates in detail with example.
3. Classify Proteins based on function and nutritional importance.

II. Write Notes on : **(8 X 5 = 40)**

1. Sarcoidosis.
2. List out cellular adaptations and explain any two.
3. Give an account on disorders of immune system.
4. Mechanism of wound healing.
5. Vitamin K – sources, functions and deficiency manifestations.
6. Enzyme pattern in myocardial infarction.
7. Factors affecting enzyme activity.
8. Plasma lipoproteins and their functions.

III. Short Answers on : **(10 X 3 = 30)**

1. Define Edema.
2. Define Neoplasia.
3. Causes of cell death.
4. Innate immunity.
5. What is meant by reversible and irreversible cell injury?
6. Define Vitamins and classify them.
7. Coenzyme.
8. Essential Fatty Acids.
9. Beriberi.
10. Define (a) Isoelectric pH (b) Normality.
