

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

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1402

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY

FIRST YEAR (Regulations 2010-2011 & 2014-2015)

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. Elaborate on different types of immunity and their mechanism.
2. Elaborate on dietary sources, biochemical role and deficiency manifestations of Vitamin A.
3. Define inflammation. What are the types and signs of inflammation? Discuss on chemical mediators of inflammation.

II. Write notes on: **(8 x 5 = 40)**

1. Classification of Lipids.
2. Neurons and its types.
3. Balanced diet.
4. Parasitic Infections.
5. Isoenzymes.
6. Human Immunodeficiency Virus.
7. Wound healing.
8. Factors maintaining blood glucose level.

III. Short answers on: **(10 x 3 = 30)**

1. What are essential amino acids?
2. Define Hypertrophy.
3. Write the normal values of Serum:
(i) Sodium (ii) Potassium (iii) Chloride.
4. Define Edema.
5. Define Coenzyme with examples.
6. T- cells.
7. Beriberi.
8. Apoptosis.
9. Define pH and write Hendersen Hesselbach equation.
10. Define Metaplasia.
