

[AHS 0321]

MARCH 2021

Sub. Code: 1402

(AUGUST 2020 EXAM SESSION)

B.Sc. CARDIO PULMONARY PERFUSION CARE TECHNOLOGY**FIRST YEAR (Regulations 2010-2011 & 2014-2015)****PAPER II – BIOCHEMISTRY AND PATHOLOGY*****Q.P. Code : 801402*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. Explain in detail the pathogenesis, clinical features, morphological features and lab diagnosis of Tuberculosis.
2. Define inflammation. Enumerate the signs of inflammation. Write a note on chemical mediators of inflammation.
3. What are immunoglobulins? Explain the characteristic properties of the different types of immunoglobulins.

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

1. Metabolism of Vitamin
2. Protein energy malnutrition.
3. Malaria.
4. Irreversible cell injury.
5. Adaptive immunity.
6. Classification of proteins.
7. Explain any two viral infections with its cause.
8. Glycogenolysis.

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

1. Define hyperplasia.
2. Give three examples for gram negative bacteria.
3. Types of necrosis.
4. Deficiency state of Vitamin C.
5. List any four health care associated infections.
6. What are ketone bodies? Give examples.
7. Pellagra.
8. Give examples for physiologic hypertrophy.
9. What is H1N1.
10. Define (i) Isoenzymes (ii) Holoenzymes

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