Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

B.Sc. (Cardiac Care Technology) (Semester – 2nd)
BASIC PATHOLOGY & HEMATOLOGY
Subject Code: BCCTS1204
Paper ID: [21132410]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

a) Pathology
b) Anticoagulants
c) CBC
d) Rh factor
e) Anaphylaxis
f) Embolism
g) Metastasis
h) Leucocytes
i) Haematology
j) Haemoglobin

Section – B **(5 marks each)**

Q2. Explain in detail about anticoagulants.
Q3. Discuss the method of TLC.
Q4. Explain ABO blood group system.
Q5. Define Neoplasia. Differentiate between benign and malignant lesions
Q6. What do you understand by LIMS. Write a note on biomedical waste.

Section – C **(10 marks each)**

Q7. Discuss in detail about the technique of histopathology.
Q8. Write in detail about cell injury and inflammation.
Q9. Explain in detail the types of leucocytes and DLC.