

2022

BMLT

(B.Sc. Third Semester End Examination-2022)

PAPER-XIII

[Immuno Haematology]

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as

far as practicable

Illustrate the answers wherever necessary

Group-A

1. Answer any five questions of the following: 5x2 = 10
- a. What is Bombay Blood Group?
 - b. Write the importance of sterilization in diagnostic field.
 - c. Why ESR consider as Non-specific test in respect of CRP?
 - d. What is supravital stain?
 - e. Define haemophilia.
 - f. Write the advantage and disadvantage of sodium citrate (3.4 gm%)
 - g. Why reticulocytes count is needed?
 - h. Write the importance of Prothombin time.

(2)

Group-B

2. Answer any four questions of the following: 5x4 = 20

- a) Write the criteria of donar selection and Permanent rejection. 3+2
- b) What is direct and indirect Coomb's test with clinical significance? 3+2
- c) What is sickling test? Write the principle. Procedure and observation of sodium metabisulfite test 2+3
- d) What is Hemoglobinopathy? Write the laboratory findings of thalassemia major. 2+3
- e) Write the laboratory test for the detection of sickle cell anaemia. 5
- f) What do you mean by extravascular and intravascular hemolysis? $2\frac{1}{2} + 2\frac{1}{2}$

Group -C

3. Answer any one question of the following: 1x10=10

- a) What is reticulocytosis? Write the importance of reticulocyte count special reference to "Shift to left". Write the Morphological change and Lab findings of Iron deficiency Anaemia. 2+4+4
- b) Write short notes on :
 - i) Destruction of RBC
 - ii) HLA

(3)

iii) Leukemoid reaction

iv) Pancytopenia.

$$2\frac{1}{2} \times 4$$
