

2056
B. Voc. (Medical Lab Technology)
Sixth Semester
BMLT-602: Sensitization to Blood Banking and infection Control

Time allowed: 3 Hours

Max. Marks: 80

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer the following:-

- a) Define plasma.
- b) Explain universal donor and recipient of blood
- c) What is meant by blood transfusion? Give its significance.
- d) Explain blood transfusion reaction
- e) Define immunohematology.
- f) Explain serum.
- g) Define hospital borne infections with example
- h) Explain direct and indirect transmission. (8x2)

UNIT - I

- II. a) Explain various elements of blood along with their significance.
b) Discuss various blood groups and their incompatibility with reasons. (8,8)
- III. a) Describe method of blood grouping in laboratory.
b) Explain Rh blood group system. (8,8)

UNIT - II

- IV. Explain blood transfusion techniques in detail. (16)
- V. Explain separation and transfusion of various components of blood and their significance. (16)

UNIT - III

- VI. What are Immunoglobins. Give its general structure. Classify immunoglobulins and explain their functions. (16)

P.T.O.

(2)

VII. Write note on following:-

a) Antigen-antibody interaction in immunohematology.

b) Storage of blood

(8,8)

UNIT - IV

VIII. Explain infection control practices in hospitals.

(16)

IX. Explain the following:-

a) Path of disease transmission

b) Incubation phase of disease

(10,6)

x-x-x