Roll No. Total No. of Pages : 02

Total No. of Questions: 09

B.Sc. (Medical Lab Sciences) (Sem.-6)

BLOOD BANKING

Subject Code: BMLS603-18

M.Code: 79486

Date of Examination: 06-07-22

Time: 3 Hrs. Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly:

- a) What is a titre?
- b) Define antisera.
- c) Enlists the various enzymes used in blood bank.
- d) What are complete antibodies?
- e) Write the therapeutic applications of packed red cells.
- f) What is a rejection criterion for a blood donor?
- g) What is minor cross matching?
- h) Define Prothrombin time.
- i) Give two indications for platelet transfusion,.
- j) Enlist the different types of anticoagulants.

1 M-79486 (S2)-528

SECTION-B

- 2. What is quality control and what are the basic elements of quality control?
- 3. Discuss about the sources of error in blood grouping and their elimination.
- 4. Discuss the significance of Coomb's test.
- 5. Give the techniques of Rh grouping with interpretation.
- 6. What is Bombay Blood group? What are its characters?

SECTION-C

- 7. What is ABO blood group? What is the biochemistry of ABO antigens and how are they derived?
- 8. Classify transfusion reactions. How do you investigate transfusion reaction?
- 9. What is cryoprecipitate? Describe its preparation, constituents and conditions in which this product can be used.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

2 | M-79486 (S2)-528