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Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.-5)

BLOOD BANKING

Subject Code : BMLS-503

M.Code : 70467

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 has to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.**

SECTION-A

1) Answer briefly :

- Give the criteria for rejection of a blood donor.
- What is external quality control?
- Describe the importance of 2, 3-BPG in RBC.
- What is haempheresis and give its significance?
- What are the sources of error in blood grouping?
- What is hemolytic disease of newborn (HDN)?
- What are natural antibodies? Name any two of them.
- What is the significance of MNS blood group system?
- What is cryoprecipitate and what is its use?
- What is the Bombay blood group?

SECTION-B

- 2) Write a note on the lab diagnosis of erythroblastosis foetalis.
- 3) Discuss what is the procedure for blood transfusion.
- 4) What is quality control and what are the basic elements of quality control?
- 5) What is D^u antigen and what is its clinical significance?
- 6) Describe in detail the purpose of preparation of various components/fractions of blood.

SECTION-C

- 7) Discuss various types of blood grouping.
- 8) Discuss various anticoagulants used in blood bank. Give their merits and demerits.
- 9) What is ABO blood group? What is the biochemistry of ABO antigens and how are they derived?

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.