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B.Sc.(MLS) (2013 to 2017) (Sem.-2)
BASIC HAEMATOLOGICAL TECHNIQUES-II
Subject Code : BMLS-203
M.Code : 48057

Max. Marks : 60

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.

1. Answer briefly :

- Discuss heat instability test.
- What is a haemolysate?
- Name fast moving haemoglobins.
- What is Hess test?
- Name natural anticoagulant which has anti-thrombin activity.
- Name coagulation factors involved in intrinsic pathway.
- What are Heinz bodies?
- How will you prepare 500ml of M/40 CaCl_2 ?
- How a platelet plug is formed?
- What is the molecular formula of HbA, HbA₂ and HbF?

SECTION-B

2. Discuss various vitamin K dependent coagulation factors.
3. Write a short note on preparation of thromboplastin.
4. Discuss the method for activated partial thromboplastin time (APTT) and its clinical significance.
5. What are various methods to measure unstable haemoglobin?
6. Write a short note on para hemophilia.

SECTION-C

7. Discuss various hemoglobin pigments and methods for measurement.
8. Explain the process of blood coagulation with a suitable diagram. Discuss the role of various components in blood coagulation.
9. What is sickle cell anemia? Discuss the mechanism and its methods of measurement.

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.