

[illegible]

B.Sc.(MLS) (2014 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 the role of thrombosthenin.
- What is Cooley's trait?
- Name factor exclusively in intrinsic pathway.
- What is para-hemophilia?
- What are FDPs?
- Define clot retraction test.
- What is HbH disease?
- What is the molecular formula of HbF?
- Discuss principle of Hess test.
- What is the role of thromboplastin?

SECTION-B

- 2) Discuss the methods, procedure and importance of clotting time.
- 3) Discuss in detail various physiological properties of coagulation factors.
- 4) Write a detailed note on thalassaemia.
- 5) Discuss the methods, procedure and importance of activated partial thromboplastin time.
- 6) What is carboxy-haemoglobin? How can we find this pigment and what is its importance?

SECTION-C

- 7) What is unstable haemoglobin? How is it different from abnormal haemoglobin? Discuss various techniques to differentiate the two. Give their significance.
- 8) Describe biosynthesis of heme with its disorders.
- 9) What is the role of coagulation factors in forming a stable clot? Give a tabulated classification of coagulation factors with site of synthesis, Vit K dependence etc.

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.