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Total No. of Pages : 01

Total No. of Questions : 08

B.Sc. (MLS) (Sem.-4)
BASIC HEMATOLOGY-II
Subject Code : BMLS402-18
M.Code : 77710
Date of Examination : 12-08-21

Time : 2 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 12 marks.

1. Write the structures and functions of hemoglobin vs myoglobin. Explain how hemoglobin's structure influences oxygen delivery?
2. Write a detailed note on the normal hemostatic mechanism and theories of blood coagulation.
3. Define coagulation tests. Write a detailed note on various tests of the vascular platelet phase of hemostasis. Write the clinical significance of PTT.
4. Write a detailed note on blood clotting. Write its mechanism along with criteria required to the maintenance of normal blood fluidity.
5. Define and classify coagulation factors. Write a note on classification and physiological properties of various coagulation factors in detail.
6. Discuss in detail about International Normalized Ratio (INR). Write a detailed note on Prothrombin Time (PT). Write the procedure to carryout measurement of PT.
7. What do you mean by Activated Partial Thromboplastin Time (APTT)? Write a note on measurement of APTT.
8. Discuss in detail the role of Unfractionated Heparin (UFH), Low Molecular Weight Heparins (LMWHs), fondaparinux, and warfarin as anticoagulants drugs.

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.