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Total No. of Questions : 09

B.Sc.(MLS) (2011 to 2017) (Sem.-4)

APPLIED HAEMATOLOGY

Subject Code : BMLS-403

Paper ID : [D1151]

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 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

Q1 Answer briefly :

- 1) What do you mean by term haemoglobinuria?
- 2) What is trial therapy?
- 3) What is D-dimer test?
- 4) What is principle of PAS staining?
- 5) Which type of blast contains Auer rods?
- 6) What is half life of a radio isotope?
- 7) List full form of PNH.
- 8) What is function of intrinsic factor produced from stomach?
- 9) What do you mean by metaphasic arrest?
- 10) Name some platelet aggregating agents.

SECTION-B

- Q2 What is schilling test? Discuss its significance.
- Q3 Give FAB classification of acute myeloid leukemia (AML).
- Q4 Write a short note on various cytochemical staining. Discuss their relevance in classification of leukaemias.
- Q5 What is radioactivity? Give its use in haematology laboratory.
- Q6 Write a short note on von-willebrand disease.

SECTION-C

- Q7 Discuss in detail the laboratory diagnosis of iron deficiency anemia.
- Q8 Explain the process of fibrinolysis. Give laboratory diagnosis of hyperfibrinolysis.
- Q9 What is karyotyping? Outline the procedure for performing the test.