

**Total No. of Pages : 02**

**Total No. of Questions : 09**

**B.Sc.(MLS) (2013 to 2017) (Sem.-3)**

# APPLIED HAEMATOLOGY-I

**Subject Code : BMLS-303**

**M.Code : 48108**

**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

**1. Answer briefly :**

- What is CUSUM chart?
- Which cells line the Pleural cavity?
- Define Precision.
- What is Trephine Biopsy?
- Name the needles used for bone marrow aspiration.
- What do you know by “shift to left” in leucocytes?
- What is oligospermia?
- How do we collect CSF?
- What are burr cells?
- What is coefficient of variation?

### SECTION-B

2. What are various safety precautions to be followed in a hematology lab?
3. What is LE cell? Discuss its clinical significance.
4. Discuss the method for the examination of a semen sample.
5. Write a short note on biomedical waste management.
6. What is the clinical relevance of a routine urine examination?

### SECTION-C

7. What is standard deviation? Explain by citing an example.
8. Write a detailed note on processing and staining of trephine biopsy specimens.
9. Describe various red cell anomalies.

**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.**