

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2011 to 2017) (Sem.-3)

**APPLIED HAEMATOLOGY-I**

Subject Code : BMLS-303

Paper ID : [D1130]

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 has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION-A**

**Q1 Answer briefly :**

- 1) What is Tart cell?
- 2) Define the term oligospermia.
- 3) Name different casts which can be found in urine.
- 4) Name vitamin K dependent coagulation factors.
- 5) What do you know by the term paracentesis?
- 6) What is full form of PCV?
- 7) Define precision.
- 8) What is principle of blood cell counter?
- 9) Name the needles used for bone marrow biopsy.
- 10) What are Heinz bodies?

### **SECTION-B**

- Q2 Describe the procedure for biomedical waste management in haematology laboratory.
- Q3 Write down the various safety precautions employed in haematology.
- Q4 Write a short note on quantitative assay of coagulation factors.
- Q5 Discuss the procedure how CSF is collected.
- Q6 What is standard deviation? How is it useful in haematology laboratory?

### **SECTION-C**

- Q7 Write the composition and functions of bone marrow.
- Q8 Write down steps involved in semen analysis. What are most common abnormalities associated?
- Q9 What is LE cell? Discuss various methods for its demonstration.