Exam.Code: 1368
Sub. Code: 9414

2071

B. Voc. (Medical Lab Technology)
Second Semester
BMLT-205: Analytical Laboratory Testing Process - I

Time allowed: 3 Hours Max. Marks: 40

NOTE: *Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit.*

x-x-x

1. Write short note on:

a) Fibrinolysis

b) Ketone bodies

c) Megaloblastic anemia

d) Reticulocyte count (4x2)

UNIT-I

2. a) Describe the procedure for the collection of venous blood sample in the laboratory. (4)

b) Explain diacetyl monoxime method (DAM) for the estimation of urea. (4)

3. a) Describe glucose oxidase method for the estimation of blood glucose. (4)

b) Explain diacetyl monoxime method for the determination of serum urea nitrogen. (4)

UNIT-II

4. a) Describe DMSO method for the estimation of serum bilirubin. (4)

b) Briefly describe the lab investigation of iron deficiency anemia. (4)

5. a) Describe briefly the investigation of hemolytic anemia and write its classification. (4)

b) Explain briefly the lab investigation of disseminated intravascular coagulation (DIC). (4)

UNIT-III

6. a) Define Erythrocyte Sedimentation Rate and also write its clinical significance. (4)

b) Determination and calculation of red blood indices MCH and MCHC. (4)

7. a) Briefly describe about automated systems in hematology. (4)

b) How absolute eosinophil count (AEC) is done in the laboratory? (4)

UNIT-IV

8. a) Explain the procedure for the collection handling and transportation of urine sample. (4)

b) Discuss physical examination of urine sample and its clinical significance. (4)

9. a) How do you preserve 24 hours urine sample? Why is it necessary? (4)

b) Discuss biochemical test profile of urine. (4)

x-x-x