

Exam. Code: 1368
Sub. Code: 46477

2056
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

I. Write short note on:-

- a) Write the full form of any Four routine haematological tests
- b) Write the cause and symptoms of megaloblastic anaemia
- c) What is pack cell volume?
- d) What is proteinuria?

(4x2)

UNIT - I

II. Explain the following:-

- a) Glucose oxidase method for blood sugar determination.
- b) A method for the determination of serum creatinine.

(2x4)

III. Explain in detail the methods and precautions taken during the collection, handling and transportation of blood sample. (8)

UNIT - II

IV. a) Briefly describe the Method for determination of TSH.

b) Describe in brief about the laboratory investigation of Iron deficiency anaemia.

(2x4)

V. Discuss various platelet function tests. Also explain their interpretation. (8)

UNIT - III

VI. What is Haematocrit value? Explain various micro and macro methods adopted for its determination and also write the merits and demerits of these methods. (8)

P.T.O.



Sub. Code: 46477

(2)

- VII. a) Write the factors influencing ESR.
b) Write about automated system in haematology. (2x4)

UNIT - IV

- VIII. Write the key components, procedure and applications of rapid chemical test of urine. (8)
- IX. a) How do we determine the specific gravity of urine? Write its clinical significance
b) Explain a method for the determination of Amylase and porphobilinogen. (2x4)

x-x-x