

2123

B. Voc. (Medical Lab Technology)

Fifth Semester

BMLT- 505: Clinical Biochemistry – I

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Answer the following:-

- a) Clinical enzymes
- b) Oxidases
- c) Extend SGOT
- d) End point
- e) ALP
- f) Cardiovascular diseases
- g) VDL
- h) Endocrine gland

(8x1)

UNIT - I

- II. a) Write the common properties of enzymes? Write their clinical significance of enzymes.
- b) What is peroxidase? Write their significance in clinical biochemistry. (2x4)
- III. a) What is the histochemistry? Also write its role in the detection of diseases.
- b) What is dehydrogenase? How it is important in detection of diseases? (2x4)

UNIT - II

- IV. a) What is the SGPT? Write method of estimation of SGPT in diagnostics.
- b) What are the liver functions tests? (2x4)
- V. a) What is the SGOT? Describe its significance in diagnostics.
- b) Write the diagnostic method of SGOT? (2x4)

UNIT - III

- VI. a) What do you mean by LDH? Write brief an overview on LDH in human diagnostic.
- b) What is the therapeutic role of Acid Phosphatase? (2x4)

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- VII. a) Describe about the role of creatine in the kidney diseases.
b) Write the diagnostic significance of creatinine phosphokinase in the human diagnostic. (2x4)

UNIT - IV

- VIII. a) Prove that liver is the master organ?
b) Why lipid profile is so important for human health? (2x4)
- IX. a) What is endocrine gland? Write various functions of endocrine glands in the human body?
b) What do you mean by renal test? How it important for kidney disease? (2x4)

x-x-x