

**B.Sc. IN MEDICAL LABORATORY
TECHNOLOGY (BMLT)**

Term-End Examination

June, 2016

00326

BAHI-005 : CLINICAL BIOCHEMISTRY

Time : 3 hours

Maximum Marks : 70

Note : Attempt all questions.

1. Fill in the blanks.

10×1=10

- (a) _____ is a non-reducing sugar, which does not reduce Benedict's reagent.
- (b) _____ is tumour marker for ovarian cancers.
- (c) Full form of LDL is _____ .
- (d) Normal value of glycosylated haemoglobin is _____ .
- (e) Vitamin, which enhances the absorption of calcium in duodenum and jejunum is _____ .

- (f) Increased level of uric acid in blood is found in _____ .
- (g) In ABO HDN, _____ bilirubin is increased.
- (h) An example of neutral lipid is _____ .
- (i) In proteins, amino acids are linked by _____ .
- (j) End product of anaerobic glycolysis is _____ .
2. (a) Describe briefly the carbohydrate metabolism. 6
- (b) Give a normal GTT curve with sample values. 4
3. (a) What is Gout? 3
- (b) Describe the metabolism of uric acid. 7
4. (a) List four enzyme tests done in the clinical biochemistry laboratory and write their normal values. 4
- (b) Explain the clinical significance of any four enzymes. 6

5. (a) What are lipids ? 2
- (b) List the lipid profile test and its normal value. 4
- (c) Write the functions of lipids. 4
6. (a) Describe the sources and absorption process of iron. 6
- (b) Write the causes of iron deficiency. 4
7. Write short notes on any *four* of the following : $4 \times 2 \frac{1}{2} = 10$
- (a) Fluorosis
- (b) HbA1c
- (c) Serum calcium
- (d) Functions and clinical significance of sodium
- (e) Ketosis
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