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

Term-End Examination

December, 2017

**BAHI-012 : ORGANIZATION LABORATORY
MANAGEMENT AND APPLIED BIOCHEMISTRY**

Time : 3 hours

Maximum Marks : 70

Note : Attempt any five questions in all. Question no. 6 is compulsory.

1. In a laboratory with students, how would you instruct them regarding : 5+5=10
 - (a) Code of conduct, ethics in the laboratory
 - (b) Personal care and protection in the laboratory

2.
 - (a) Define acid-base balance. 2+5+3=10
 - (b) Give an account of disturbances of acid base balance.
 - (c) Describe mechanism of pathogenesis.

3.
 - (a) Write total serum protein estimation. 2+7+1=10
 - (b) Enumerate the procedure of estimation.
 - (c) Give reference range of total protein estimation.

4. (a) Write the factors influencing enzyme activity. 2+1+6+1=10
(b) Name the enzymes elevated in Viral Hepatitis.
(c) Write principle and procedure of estimation of these enzymes.
(d) Give the normal reference range along with units.
5. (a) Define Automation. 1+2+7=10
(b) Write its advantages and disadvantages.
(c) Describe the principle and uses of a discrete semi auto biochemical analyser.
6. Write short notes on any five of the following. 5x6=30
(a) Urea cycle
(b) Iso-enzymes
(c) Universal precautions for laboratory safety
(d) Serum amylase
(e) Plasma fibrinogen
(f) Kidney Function Tests (KFT)
(g) GTT(Glucose Tolerance Test)
(h) Dry Chemistry analysers
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