AB-3194
Third Year B. Sc. (Med. Tech.) (Sem. V) Examination
March/April – 2015
MT 15 : Clinical Laboratory Instrumentation
(New Course)

Time : 2 Hours] [Total Marks : 50

Instructions :

(1) Figures to the right indicates full marks of the questions.

1 Answer the following : 8

(1) State Beer-Lambert’s law. Give its limitations.

(2) Which are types of column used in GLC ?

(3) Explain Ion-exchangers and their types.

(4) What is resolution ? Explain its relation with NA.

2 Attempt any two of the following : 14

(1) Fluorescence microscopy.

(2) Colorimeter Vs. Spectrophotometer.

(3) Scanning electron microscopy.

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3 Attempt any **one** of the following:

(1) IEF
(2) Ion-exchange chromatography

4 Write short notes on: (any **two**)

(1) Applications of photometer
(2) HPLC
(3) Supporting medium in electrophoresis.