

B.Sc. IN MEDICAL LABORATORY TECHNOLOGY

Term-End Examination

June, 2017

BAHI-001 : BASIC HUMAN SCIENCES

Time : 3 hours

Maximum Marks : 70

Note : Attempt all the questions.

1. Describe the urinary system and functions of each part of the system. 10
2. Describe the principle and procedure of dry heat sterilisers with a diagram. 10
3. Write short notes on **any four** of the following : 4x5=20
 - (a) Human heart
 - (b) Structure of a cell
 - (c) Tyndalisation
 - (d) Pancreas
 - (e) Functions of liver
4. Write briefly on **any two** of the following : 2x5=10
 - (a) Beer's law
 - (b) Insulin
 - (c) Use of centrifuge
 - (d) Meninges
 - (e) Oligospermia

5. Answer any five of the following : 5x4=20

- (a) What are the different parts of a compound microscope and its functions ?
 - (b) What is Normal solution give examples.
 - (c) Describe the method for the preparation of one normal sodium hydroxide in one litre.
 - (d) What is buffer solution ? Name buffer solution used in electrophoresis.
 - (e) What is pH ? How pH of a solution is measured ?
 - (f) What is haemoglobin electrophoresis ? Name the different fractions.
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