



RR-0632

First Year B. Sc. Examination
March / April – 2010
Medical Technology : Paper - I
(Fundamentals of Medical Technology)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दर्शाविए निशानीवाणी विगतो उत्तरवही पर अवश्य लખवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
F. Y. B. Sc.

Name of the Subject :
Medical Technology - 1

Subject Code No. : 0 6 3 2 Section No. (1, 2,.....): Nil

Seat No. :

Student's Signature

- (2) Figures to the **right** indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.

1 Answer the following :

14

- (a) What is mycology? Name any two organism studied in this branch.
- (b) Define : Molar and Normal solution.
- (c) Give the importance of autopipettes and syringes in clinical laboratory.
- (d) Name the method used for disposal of infected material in clinical laboratory.
- (e) What do you mean by stock solution and working solution?
- (f) Give the composition of MacConkey's agar.
- (g) Give the advantage and disadvantage of EDTA as anticoagulant.

- 2 Explain the following : 12
- (a) Different errors observed in processing laboratory records.
- (b) Solute, solvent and solutions are different from each other.
- OR**
- 2 (a) Human anatomy is differ from human physiology. 12
- (b) Autoclave, hot air oven and incubators have their own importance in clinical laboratory.
- 3 Write an essay on : 10
- "Biohazards of clinical laboratory."
- OR**
- 3 Write an essay on : 10
- "Autoanalyzer and clinical laboratory."
- 4 Describe quality control in terms of the following : 10
- Haematology, Blood Bank and microbiology laboratory.
- OR**
- 4 What are anticoagulants? Describe different anticoagulant with their mode of action and uses in haematological study.
- 5 Answer any **two** of the following : 12
- (a) Describe histopathology as a branch of medical technology.
- (b) Explain selective and differential bacteriological medium with example.
- (c) What is the principle and use of single pan balance and colorimeter?
- 6 Write short notes on any **two** of the following : 12
- (a) Production of distilled water
- (b) SI Units
- (c) Storage of chemicals in clinical laboratory.
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