

## **RR-0632**

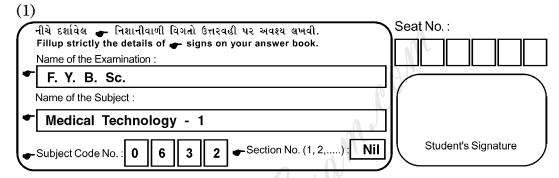
## First Year B. Sc. Examination March/April - 2010

Medical Technology: Paper - I

(Fundamentals of Medical Technology)

Time: 3 Hours] [Total Marks: 70

## **Instructions:**



- (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.

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2	Explain the following:	<b>12</b>
	(a) Different errors observed in processing laboratory records.	
	(b) Solute, solvent and solutions are different from each other.	
	$\mathbf{OR}$	
2	(a) Human anatomy is differ from human physiology.	<b>12</b>
	(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: Haematology, Blood Bank and microbiology laboratory.	10
	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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