## BV (2)/ML & MDT-2.3/18 (MC)

## 30 19 0 2018 on 19 0 W 3

## MEDICAL LABORATORY AND MOLECULAR DIAGNOSTIC TECHNOLOGY

QP: Medical Lab Technician

Paper: S-2.3

## ( Laboratory Techniques on Pathology and Microbiology )

Full Marks: 40 Tammad

Time: 2 hours

The figures in the margin indicate full marks for the questions

1.	Fill	in the blanks:	1×5=5
	(a)	is the process of destroying pathogenic microorganisms, but	all not
	0 -3	bacterial spores.	
	(b)	ESR stands for	
	(c)	The average lifespan of RBC is	<b></b> •
	(d)	The best way to sterilize test tub flasks and throat swabs is	es,
	(e)	blood group is the universacceptor.	rsal

8A/1042

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(Turn Over)

(1)

20 August 2024 1:50 pm

- 2. Write short notes on any five of the following:
- DIAGNOSTIC TECHNOLOGY
  - (b) Erythrocyte

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  - (c) Split number
  - (d) Serial dilution
  - (e) Mordant

Z=CX(

(f) Laminar air-flow cabinet

anterior field reconfined thereon is all out of

- (g) MacConcy media
- 3. Answer any *three* of the following questions:  $5 \times 3 = 15$ 
  - (a) Mention the difference between plasma is and serum.
    - (b) Mention the optical components of compound microscope.
    - (c) Write a note on physical sterilization.
    - (d) Describe the preparation of nutrient broth media.
  - (e) Write a note on pure culture techniques.

8A/1042 Semisimonia (Continued)

- 4. Answer any one of the following questions: 10
  - (a) What is anticoagulant? Mention the uses of different anticoagulants in biochemical analysis.
  - (b) On which principle oven and incubator are based? What is their use in microbiology?
  - (c) Describe the acid-fast bacteria (AFB) staining method of bacteria in detail.

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