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SE	AT	No

No. of Printed Pages: 2

SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

T. Y. B.Sc. (VI Sem) Examination - 2018[CBCS] TUESDAY, 2nd April, 2018 10:00 AM - 1:00 PM

ř.	US06CMIC04(MICROBIOLOGY) MEDICAL MICROBIOLOGY Maximum Marks: 70
).1.	appropriate one.	choice of answers. Choose the most [10]
1 7	The smallest cellular component in blood	d is
	(a) Erythrocyte	(b) Thrombocyte
	(c) Leukocytes	(d) none of these
2	During Blood coagulation thromboplast	in is released by
	(a) Clumped Platelets	(b) RBC
	(c) Leucocytes	(d) Blood plasma
3	acts as a powerful calcium c	helating agent
.	(a) Sodium fluorite	(b) Acid citrate dextrose
	(c) EDTA	(d) All of these
4	refers to a precipitation re	eaction in an agar gel medium
7	(a) RIA	(b) Western Blot
	(c) Immunodiffusion	(d) ELISA
5	RIA was first developed by	
3	(a) Alberts Coons	(b) Barson and Yalow
	(c) Landsteiner	(d) Kirby Bauer
(Kidney function tests include	.
6	(a) Serum creatinine	(b) Routine urine examination
	(c) Urea clearance test	(d) All of these
_	In post hepatic conditions very high lev	vels of is observed.
7	(a) SGPT	(b)SGOT
•	(c) ALP	(d) Urease
	• •	
8	Most vaccine preparation contain:	(b) Live attenuated cells or viruses
	(a) killed whole cells	(d) All of these
	(c) Genetically engineered microbes	(4) 2-11 1
 9	is the choice of antibiotic fo	or the treatment of typhoid.
•	(a) Chloramphenicol	(b) Tetracycline
	(c) AZT	(d) Sulfa drugs
10	file of win	ruses.
10	(a) Rhabdoviridae	(b) Retroviridae
	(c) Orthomyxoviridae	(d) Picornaviridae
Q.	TEN	[20]
V.	W DEGREE CHANGE (Ć የ.ፑ∙ሱ)

		1	Defi	ne Blood and what its components are.					
		. 2	How does RBC generate energy and what are Heinz bodies?						
1-		3		Enlist the stages of development of Red Blood Cells in sequence.					
		4		What is western blotting explain in brief.					
		5	Wha	What are the transport problems associated with stool specimens and anaerobic cultures?					
1. 1. C. ()	:	6	Wha	What is immunofluorescence and give an example of dye used in it.					
,		7	How	How serum biliribuin is used for the diagnosis of different form of jaundice.					
		8	Give						
			orga	•					
		9	Define Epidemiology and Morbidity.						
		10	Enlist the different laboratory tests for the diagnosis of HIV infections.						
•		11		What is the difference between malaria caused by P. Vivax and P. falciparum					
		12	State the factors that contribute for the occurrence of hospital infections.						
		Q. 3	[A]	What are anticoagulants and explain the role of EDTA and Sodium citrate	[06]				
			[B]	What are leucocytes and explain Neutrophils and Eosinophils	[04]				
		0.1	F & 3	OR	10.61				
		Q. 3	[A]	Define Hemostasis and explain the process of blood coagulation	[06]				
			[B]	Explain coomb's Test	[04]				
,		Q. 4	[A]	Write a note on ELISA	[05]				
			[B]	Immunoelectrophoresis	[05]				
	٠.			OR					
		Q. 4	[A]	Explain various methods of collection of specimen	[05]				
			[B]	Write a note on Rapid Identification techniques	[05]				
		_							
		Q. 5	[A]	Explain Triglycerides and cholesterol as Cardiac function test.	[05]				
			[B]	Explain Total protein, Albumin and Globulin as Liver function test	[05]				
			Газ	OR	10.63				
		0.5	[A]	Write a note on Vaccines	[06]				
		Q.5.	[B]	Write clinical significance of Creatinine and Bilirubin	[04]				
					17				
	Q. 6 Write detailed note on HIV with reference to its symptoms, pathogene				[10]				
			transmission, lab diagnosis and its treatment and prevention						
		0.7		OR	[10]				
		Q. 6	•	Write detailed note on Typhoid with reference to its symptoms,	[10]				
		•	•	pathogenesis, transmission, lab diagnosis and its treatment and prevention					
				·					

Segunda (proper selection) was

