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SARDAR PATEL UNIVERSITY

Vallabh Vidyanagar

T. Y. B.Sc. (VI Sem) Examination - 2016 [CBCS]

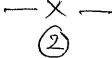
MONDAY, April 1, 2019 10:00 AM - 1:00 PM

US06CMIC04(MICROBIOLOGY) MEDICAL MICROBIOLOGY

Maximum Marks: 70

Q.1.	Each question below gives a multiple appropriate one.						
1	Blood anticoagulated with ACD or CPD and refrigerated between 2°C and 4°C						
	can be stored for days. (a) 21	(b) 35					
	(a) 21 (c) 15	(d) 25					
•	Hematopoesis is production of						
2	(a) Erythrocytes	(b) Leucocytes					
	(c) Thrombocytes	(d) All of these					
•	the driver developed by						
3	(a) Barson & Yalow	(b) S. M. Southern					
	(c) Bauer &Kirby	(d) Louis Pasteur.					
4	Overtheir reaction is an example of						
4	(a) Phagetyping	(b) Serotyping					
	(c) Immunoblotting	(d) Isotyping					
5	the methods of collection sample						
3	(a) Swab	(b) Catheter					
	(c) Intubation	(d) All of these					
6	Increased level of serum uric acid is fo	ound in					
U	(a) Gout	(b) Hypothyroidism					
	(c) Jaundice	(d) Diabetes mellitus					
7	High plasma non protein nitrogen mea	ns					
,	(a) Hyperuricemia	(b)Azotemia					
	(c) Hyperlpidemia	(d) None of these.					
Я	8 According to CDC bioterrorism affects						
Ü	(a) Humans	(b) Plants					
	(c) Animals	(d) All of these					
9	9 Typhoid bacilli were first observed by						
	(a) Koch	(b) Delbruck					
	(c) Eberth	(d) Ehrlich					
10	10 Cerebral malaria is a complication of infection with						
	(a) P.vivax	(b) P. malariae					
	(c) P. falciparum	(d) All of these					
		_ (1	7.LO.)				

Q. 2	Shor	rt Questions (Attempt any TEN)	
1	Defi	ne the terms plasma and serum.	
2	Wha	at are the factors influencing erythropoeisis.	
3	mec	at is the difference between extrinsic and intrinsic system of coagulation hanism.	
4	Diff	erentiate between direct and indirect Coomb's test.	
5	Desc	cribe the principle of RIA.	
6	What are three general classes of cell culture- Explain.		
7	Define vaccine and enlist the different methods for the preparation of vaccine.		
8	Write clinical significance of serum triglycerides.		
9	Why are biological weapons more destructive than chemical weapons?		
10	Write about the anti-tuberculosis drugs used for the control of tuberculosis.		
11	What are the factors influencing the hospital infections		
12	Whi	ch are the types of fevers caused by malaria parasite?	
Q. 3	[A]	Write a note on Eryhtropoeisis	
_	[B]	Explain the process of Blood Coagulation	
		OR	
Q. 3	[A]	Describe the criteria for the screening and rejection of a Donor	
	[B]	Write a note on ABO blood group system	
Q. 4	[A]	What is a clinical specimen? Explain in detail the collection of various	
		clinical specimens	
		OR	
Q. 4	[A]	Write a note on ELISA	
	[B]	Explain the different types of immunodiffusion test.	
Q. 5	[A]		
	[B]	What are serum electrolytes and explain the clinical significance of each	
		of them	
		OR	
•		Explain the different types of kidney function tests	
Q.5.			
Q. 6		Write detailed note on Malaria with reference to its symptoms,	
		pathogenesis, transmission, lab diagnosis and its treatment and prevention	
		OR	
Q. 6		Write detailed note on Tuberculosis with reference to its symptoms, pathogenesis, transmission, lab diagnosis and its treatment and prevention	
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