DIRECTOR OF HEALTH, MEDICAL SERVICES AND MEDICAL EDUCATION

GUJARAT STATE

LABORATORY AND X-RAY TECHNICIANS TRAINING COURSE EXAMINATION- 2018

MICROBIOLOGY

DATE:14-08-2018 TOTAL MARKS: 50

TIME: 10:00 AM TO 12:00 PM

1 An	swer any Three :			18
- a	Moist heat sterilization		250	
- b.	Collection & transport of specimen for mic	crobiological inv	estigations	
c.	Describe the pathogenecity and laboratory	diagnosis of My	cobacteriun	1
	tuberculosis			
- d	Define and classify hypersensitivity. Write	in detail about	Type I hypei	rsensitivity.
- ci.				
2 Sh	ort notes on any FOUR:	•		20
a.	Antibodies			
	Biomedical waste management			
c.	Laboratory diagnosis of enteric fever		•	
d.	Candida albicans		1 .	
Je.	Laboratory diagnosis of HIV infection			
1				
3. Ar	swer any THREE:			06
⊶a.	Write differences between active and pass	ive immunity		· · · · · · · · · · · · · · · · · · ·
b.	Name the types of diarrheagenic E.coli			
c.	Oral polio vaccine			
_d, '	Selective media	•		
4. Ar	swer in 1-2 sentences. Any SIX:	en e		06
- 3 .	Write two zoonotic bacterial infections.			
b.	What is Sabauraud's dextrose agar?			
~ €.	Define dysentery. Name one bacterium ca	using dysentery.		
٠_٠٠.	Name two parasites causing anaemia.			
e.	What is negative staining? Write its use.	•		
€f.	Give two uses of blood agar.	•		
− g.	Name the five types of Immunoglobulins.			
h.	Name two protozoa infecting humans.			e.

Sold Markey

Kolong Sangar