## DIRECTOR OF HEALTH, MEDICAL SERVICES AND MEDICAL EDUCATION

GUJARAT STATE
LABORATORY AND X-RAY TECHNICIANS TRAINING COURSE **EXAMINATION-2014** 

## **MICROBIOLOGY**

DATE:16-08-2014 **TOTAL MARKS: 50** TIME: 02 HOURS

1. Answer any Three:	
(a.) Define sterilization and disinfection. Write in detail about Autoclave. 17.18	
6 Collection & transport of specimen for microbiological investigation.	
C. Write method of smear preparation & staining for malarial required	
d. Write in detail about HIV virus.	
2. Short notes on any <u>FOUR</u> :	
a. Hypersensitivity CG	<i>'.</i>
a. Hypersensitivity CG b. Laboratory diagnosis of syphilis (133) 130-4T- pollydy	
c. E.coli (62	
d) ELISA	
e. Hospital waste manegement 243	
2 A married and the transfer	
3. Answer any THREE:  06	EJJA, R.
a. By which serological methods do we diagnose Hepatitis B in laboratory? (75 C) Selective media 24	r
c. Write names of bacterial & viral vaccines	
d Which infaction and between the 1: 1: 1:	
4. Answer in 1-2 sentences. Any SIX:  a. What is negative stain. Give it's use.  b. Name two bacteria causing urinary tract infections  c. Give two uses of blood agar.  d. Name two vaccines for Polio  e. What is the use of KOH & Sabauraud's agar in Mycology?  f. Draw a labeled diagram of bacterial cell	in
4. Answer in 1-2 sentences. Any SIX:	Lanhud
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b. Name two hacteria causing urinary tract infections - \$ (0) 1 molecular	en , sed
c. Give two uses of blood agar	
d. Name two vaccines for Polio - and -a/	
e. What is the use of KOH & Sabauraud's agar in Mycology?	
f. Draw a labeled diagram of bacterial cell	
. g. Name the five types of Immunoglobulin	
h. What is Hypersensitivity?	
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