DIRECTOR OF HEALTH, MEDICAL SERVICES AND MEDICAL EDUCATION GUJARAT STATE

LABORATORY AND X-RAY TECHNICIANS TRAINING COURSE EXAMINATION- 2016

MICROBIOLOGY

TOTAL MARKS: 50 DATE:12-08-2016 TIME: 2 HOURS 18 1. Answer any Three Define sterilization and disinfection. Write in detail about hot air oven. U-2 b. What is antigen antibody reaction? Write in detail about various agglutination reactions. Collection & transport of specimens for microbiological investigation. 27 d. Enumerate Hepatitis viruses. Write in detail about Hepatitis B virus. 20 2. Short notes on any **FOUR**: U-2 a. Active immunity b. Streptococcus pyogenes c. Laboratory diagnosis of cholera d. Write pathogenecity and laboratory diagnosis of C.diphtheriae e. Opportunistic fungi 06 3. Answer any THREE: What is enriched media? Give two examples 23 v-2b. Write uses of IgM antibody c. Name the types of diarrhoeagenic E.coli d. What is vaccine? Give two examples of viral vaccines. a. Name two bacteria causing urinary tract infection. Pseudonovas eruginary from gent general sensor for the sensor of the senso 4. Answer in 1-2 sentences. Any SIX: plague, Anthrob. Write two zoonotic bacterial diseases. d. Write the names of causative agents of malaria. - Pornasifes of plasmodium gonus. e. Dermatophytes infect which parts of the body? - skiv f. What is biomedical waste? Give one example. g. Write the pathogenecity of Hookworm.

h. Write the routes of transmission of HIV virus.

Of the intestives serulting in sever dicurrhoea with the presence of blood and mucus in the taleces. Shigelia backlus, vibrio cholesae.