

DMLT/DMRT EXAMINATION BOARD, ODISHA

SECOND DMLT ANNUAL EXAMINATION-2020

QUESTIONS (MICROBIOLOGY; PAPER-II)

(GENERAL & SYSTEMIC BACTERIOLOGY, CLINICAL MICROBIOLOGY & MYCOLOGY)

FULL MARK:100

TIME: 3hrs

Answer all questions

1. Answer any two of following (15x2=30)

- a) Describe Pathogenesis and Laboratory diagnosis of Tetanus and outline the prophylactic measures?
- b) Define Sterilization. Describe Principle and function of an Autoclave?
- c) Write down the organisms causing Urinary tract infection. Describe about Laboratory diagnosis of UTI.

2. Write short notes on any ten (5x10=50)

- a) ASO titre
- b) Dimorphic fungi
- c) Anaerobic culture methods
- d) BACTEC
- e) Bacterial spore
- f) Diarrheagenic E. coli
- g) Robertson's cooked meat medium
- h) Indicators used in various culture media preparation
- i) Biphasic medium
- j) Coliform count in water analysis
- k) Nontyphoidal Salmonella
- l) Detection of Typhoid carrier

3. Answer the following questions

(2x10=20)

- a) _____ is an example of Yeast and _____ is an example of Yeast like fungi.
- b) _____ and _____ diseases are mosquito borne.
- c) _____ and _____ drugs are given in post exposure prophylaxis for HIV.
- d) _____ and _____ are examples of Arboviruses.
- e) Write two examples of transport media.
- f) Write two sequelae of post Streptococcal infection.
- g) _____ and _____ viruses are transmitted sexually
- h) Food poisoning is caused by _____ and _____ bacteria
- i) In MDR TB drug resistance is shown to _____ and _____ drugs.
- j) Name two organisms giving Indole positive reaction.