



**DMLT/DMRT EXAMINATION BOARD, ODISHA**

**SECOND D.M.L.T ANNUAL EXAMINATION-2021**

**QUESTIONS (MICROBIOLOGY; PAPER-II)**

**(GENERAL & SYSTEMIC BACTERIOLOGY, CLINICAL MICROBIOLOGY & MYCOLOGY)**

**Time- 3 Hours**

**FULL MARKS: 100**

**ANSWER ALL QUESTIONS**

1. Describe the different methods of sterilization. Describe different types of moist heat sterilization. **(10 + 10 = 20 MARKS)**

**OR**

Enumerate the bacterial etiological agents for enteric fever. Describe the lab diagnosis of enteric fever. **(5+15 = 20 MARKS)**

2. Write short Notes on (any five) **(10)x 5 = 50 MARKS)**

- i) Hot Air Oven
- ii) Lab diagnosis of cholera
- iii) Lab diagnosis of tuberculosis
- iv) Conjugation
- v) Classification of streptococcus
- vi) Lab diagnosis of Candida

3. Write brief notes on (any ten)

(2x 10 = 20 MARKS)

- i) Differential stain
- ii) Transport media
- iii) Quellung reaction
- iv) Coagulase test
- v) Catalase test
- vi) Oxidase test
- vii) Urease test
- viii) Citrate test
- ix) SDA
- x) India ink preparation
- xi) Glucose broth

4. Fill in the blanks:

(1x 10 = 10 MARKS)

- i) \_\_\_\_\_ is the father of microbiology
- ii) Cocci of streptococcus are arranged in \_\_\_\_\_ manner
- iii) Agar concentration in nutrient agar is \_\_\_\_%
- iv) Food poisoning is caused by \_\_\_\_\_
- v) Transport media for vibrio cholera is \_\_\_\_\_
- vi) Pigment produced by pseudomonas aeruginosa \_\_\_\_\_
- vii) Sterilization conditions of Hot air oven with respect to temperature and time \_\_\_\_\_
- viii) Dimorphic fungi are \_\_\_\_\_
- ix) Name two causes of subcutaneous mycosis \_\_\_\_\_
- x) Most common manifestation of mucormycosis \_\_\_\_\_