

[LS 118]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2015

M.D. DEGREE EXAMINATION
BRANCH IV – MICROBIOLOGY
PAPER II – SYSTEMATIC BACTERIOLOGY

Q.P. Code: 202015

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. Enumerate the organisms causing membranous tonsillitis. Write in detail the pathogenesis, clinical features, laboratory diagnosis and prophylaxis of Diphtheria.
2. Name the Bioterrorism agents. Discuss in detail the pathogenesis, laboratory diagnosis and prophylaxis of Anthrax.

II. Short notes:

(10 x 5 = 50)

1. CA-MRSA.
2. Capnophilic bacteria.
3. MAT.
4. Lyme disease.
5. Shiga toxin.
6. Bacterial food poisoning.
7. Tularaemia.
8. CB-NAAT.
9. Pasteurella multocida.
10. Pseudomembranous colitis.

III. Reasoning Out:

(4 x 5 = 20)

1. Streptococcus pyogenes produces spreading type of lesions.
2. Role of Phenol saline in SAT.
3. Resazurin as an indicator in anaerobic medium.
4. Penicillin is not effective against Mycoplasma.
