

[LQ 118]

AUGUST 2020
(MAY 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. Classify Vibrios. Discuss the pathogenesis and laboratory diagnosis of Cholera. Add a note on the epidemiology and prophylaxis.
2. Enumerate the bacterial causes of sexually transmitted infections. Write in detail the pathogenesis, clinical features and laboratory diagnosis of Gonorrhoea.

II. Short notes:

(10 x 5 = 50)

1. Amp C beta lactamase.
2. Detection of salmonella carriers.
3. Atypical pneumonia.
4. EHEC.
5. Pontiac fever.
6. Botulism.
7. DTaP vaccine.
8. Bartonella quintana.
9. Ehrlichiosis.
10. Lepromin reaction.

III. Reasoning Out:

(4 x 5 = 20)

1. CoNS is frequently isolated from prosthetic infections.
2. Redox potential is important in gas gangrene.
3. Cell wall deficient bacteria do not grow in routine culture media.
4. LJ medium is both a selective and enriched medium.
