

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. List the bacterial agent produces Pigment. Write in detail about risk factors, pathogenesis and laboratory diagnosis of *Pseudomonas pseudomallei*. Brief about Nosocomial infection.
2. Discuss in detail about Non-cultural methods for Bacterial identification.

II. Short notes:

(10 x 5 = 50)

1. Laboratory diagnosis of Bacterial vaginosis.
2. Q fever.
3. Serological diagnosis of Atypical pneumonia.
4. Halophilic Vibrios.
5. Pontiac fever.
6. Clinical importance of Weil-Felix reaction.
7. CAMP test.
8. Neurotoxic effect of Clostridial infection.
9. Lepra reaction.
10. Lancefield classification.

III. Reasoning Out:

(4 x 5 = 20)

1. Antibiotics are not used to treat Staphylococcal food poisoning.
2. The immunological basis of Bovine tuberculosis used for vaccine production against *M.tb*.
3. The treatment of Bacterial vaginosis depends of Nugent scoring system.
4. Leptospirosis outbreak is more common during rainy season.
