

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 various zoonotic bacterial infections. Discuss in detail about pathogenesis, clinical features and laboratory diagnosis of Acute Brucellosis.
2. Enumerate capsulated bacterial species. Mention the virulence factors of H.influenza and add a note on capsular staining.

II. Short notes:

(10 x 5 = 50)

1. Bacterial Superantigens.
2. PPLO agent.
3. Inclusion conjunctivitis.
4. Runyon classification.
5. Treatment for MDR Salmonella.
6. Reiter syndrome.
7. MRSA.
8. Anton test.
9. Selective culture medium for Enterobacteriaceae.
10. HACEK group of bacteria.

III. Reasoning Out:

(4 x 5 = 20)

1. Infective Endocarditis screening and diagnosis to be done by three blood sample from the patients.
2. Acid-Fast staining is important during diagnosis of Bacterial Mycetoma.
3. Pasteurization process is not adequate to destroy Coxiella burnetti spores.
4. Eijkman test is more reliable than MPN (Most Probable Number).
