

(LI 118)

APRIL 2016

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 Questions:**

**(2 x 10 = 20)**

1. Enumerate the bacteria causing food poisoning. Write briefly about specimen collection and lab diagnosis of food poisoning.
2. Describe the structure and the classification of spirochetes write briefly about the pathogenesis and lab diagnosis of Weil's disease.

**II. Short Questions:**

**(8 x 5 = 40)**

1. Laboratory diagnosis of carrier in Salmonella typhi.
2. Gene expert.
3. Pontiac fever.
4. Buruli ulcer.
5. Extremely Drug Resistant tuberculosis.
6. Diphtheroids.
7. Special characters of HACEK group of organisms.
8. Vincent Angina.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Explain how Wilson- Blair medium act as more selective media for the isolation of Salmonella?
2. Explain the pathogenesis of Hemolytic uremic syndrome.
3. Which Bacteria causes walking pneumonia? Why it is called so?
4. Explain how biofilm production act as a virulent factor for bacteria?

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Importance of glycocalyx.
2. Inclusion bodies in chlamydial infection.
3. What is 4 – methyl umbellifery  $\beta$ - D glucoranide (MUG) test?
4. Name two tube coagulase positive staphylococci..
5. Typhoral vaccine.
6. Laboratory diagnosis of Melioidosis.
7. Write the name of the toxins produced by Clostridium perferingens.
8. Park Williams 8 Strain.
9. Neil- Mooser test.
10. Give four example for Rodent borne bacterial infections.

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