

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**[MD 1022]**

**OCTOBER 2022**

**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 Rickettsiae. Write in detail on Scrub Typhus.
2. Classify Streptococci. Elaborate on the Virulence factors, Clinical manifestations and Lab Diagnosis of Group A Streptococcus.

**II. Short notes:**

**(10 x 5 = 50)**

1. Lysis Centrifugation.
2. Erythema Migrans.
3. Plague.
4. IGRA.
5. Enteric Fever.
6. Vancomycin Resistance in Staph aureus.
7. Capsular Polysaccharide Vaccines.
8. Helicobacter pylori.
9. Pleuropneumonia like organisms.
10. HACEK.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Brucella abortus causes abortion in Cattles.
2. Pregnant women with early syphilis are more infective to the fetus.
3. RPR test is not done in CSF.
4. Lymphocytosis is a diagnostic feature of Pertussis.

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