

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

[AHS 0321]

**MARCH 2021**

**Sub. Code: 1262**

**(OCTOBER 2020 EXAM SESSION)**

**M.Sc. MEDICAL LABORATORY TECHNOLOGY**

**SECOND YEAR (2011-2012 Regulation - From 2013-2014 onwards)**

**PAPER II – SYSTEMIC BACTERIOLOGY, VIROLOGY AND MYCOLOGY**

***Q.P. Code : 281262***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Classify Staphylococci. Describe the Pathogenesis, Clinical Syndromes, Laboratory Diagnosis, Prevention and Treatment of *Staphylococcus aureus*.
2. Enumerate the RNA Viruses. Describe the Morphology, Pathogenicity and Laboratory Diagnosis of Rabies Virus. Add a note on Antirabies Prophylaxis.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Name the Organisms that cause Enteric fever. Describe the Laboratory Diagnosis of Typhoid.
2. Types of Bacterial media and its uses.
3. Lab Diagnosis, Transmissions and Pathogenicity of Pertussis.
4. Write in detail about the Laboratory Diagnosis of Fungal Infections.
5. List the Opportunistic Fungi. Write in detail about Aspergillosis.
6. Write about the Types and Control of Hospital Acquired Infections.
7. Immunization Schedule for Polio. Add a note on Prophylactic measures of Polio.
8. Describe the Morphology, Lab Diagnosis and Prevention of Hepatitis B virus.
9. Describe the Clinical features of Orthomyxoviruses.
10. Write in detail about the Biomedical Waste handling in the Laboratories.

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