

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

[LQ 1220]

**DECEMBER 2020  
(MAY 2020 EXAM SESSION)**

**Sub. Code: 1262**

**M.Sc. MEDICAL LABORATORY TECHNOLOGY**

**SECOND YEAR – (Regulation 2011 – 2012 & 2013-2014)**

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

**Q.P. CODE: 281262**

**Time: Three hours**

**Maximum: 100 Marks**

**Answer ALL Questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Enumerate DNA viruses. Discuss about Herpes viruses.
2. Define Nosocomial Infections. Explain about the types, sources, pathogens involved, prevention and control measures.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Types and applications of Polymerase Chain Reaction.
2. Laboratory diagnosis of *Mycobacterium Tuberculosis*.
3. Zoonotic diseases.
4. Lab diagnosis and pathogenesis of *Leptospira*.
5. List out the Opportunistic Fungal Infections. Explain any one in detail.
6. Mycotoxins.
7. Ringworm fungi.
8. Cryptococcal Meningitis.
9. Replication of Viruses.
10. Confirmatory tests for HIV.

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