

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1254

M.Sc. MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR (Regulation 2011-2012)

(Candidates admitted from 2013-2014 onwards – Paper - IV)

(Candidates admitted from 2020-2021 onwards – Paper - V)

PAPER IV & V – GENERAL PATHOLOGY

Q.P. Code : 281254

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Neoplasia. Write the differences between benign and malignant neoplasms and a note on the spread of tumors (Metastasis).
2. Define Shock. Classify shock and write in detail the etiology and pathogenesis of septic shock.

II. Write notes on:

(10 x 6 = 60)

1. Different types of necrosis with examples.
2. Cytokines and their functions.
3. Thrombosis.
4. Fluorescence In Situ Hybridization (FISH).
5. Tumor angiogenesis.
6. Lab diagnosis of Leprosy.
7. Mediators of inflammation.
8. Mendelian disorders.
9. Western blot test.
10. Mechanism of cell injury.
