

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

[AHS 1022]

OCTOBER 2022

Sub. Code: 1264

M.Sc. MEDICAL LABORATORY TECHNOLOGY

SECOND YEAR (Regulation 2011-2012)

(Candidates admitted from 2013-2014 & 2020-2021 onwards)

PAPER IV – TECHNIQUES IN HISTOPATHOLOGY AND CYTOLOGY

Q.P. Code : 281264

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate notes on:

(2 x 20 = 40)

1. Discuss the principle, preparation, stages, staining technique of Haematoxylin and Eosin Stain.
2. What is the principle and function of Microscopy? Mention the various types of Microscopes. Elaborate on Light Microscope.

II. Write Short Notes on:

(10 x 6 = 60)

1. PAS stain and its application.
2. Stains used in cytology. Write in detail about PAP stains.
3. Principle of immuno fluorescence microscopy.
4. Enumerate the stains used for Amyloid.
5. Name any two stains for microorganisms and explain the procedure of anyone.
6. Write a note on Decalcifying agents.
7. What is Autoradiography?
8. Trichrome stains and their uses.
9. Define fixation in histopathology and write a note on different fixatives.
10. Stains used for demonstration of hemosiderin and melanin.
