

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

[AHS 0424]

APRIL 2024

Sub. Code: 5016

B.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR (Regulations 2010-2011 & 2018-2019 onwards)
PAPER I – HISTOPATHOLOGY AND CYTOLOGY TECHNIQUES
Q.P. Code: 725016

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Define Decalcification. Discuss in detail about various Decalcifying Agents and procedure of Decalcification.
2. Discuss in detail about Routine Paraffin section cutting and add a note on Clearing Agents.
3. Describe Papanicolaou staining and identification of Cells in a Normal Vaginal Smear.

II. Write notes on: **(8 x 5 = 40)**

1. Reticulin stain.
2. Fixatives.
3. Automatic Tissue Processor.
4. Procedure of Haematoxylin and Eosin staining.
5. Mordant.
6. Principle and uses of Immunohistochemistry.
7. Cellblock preparation and its application.
8. Mounting Media.

III. Short answers on: **(10 x 3 = 30)**

1. Rocking Microtome.
2. Preparation of 10 % formalin in Histopathology.
3. Clearance angle.
4. Blueing.
5. Name two Dehydrating agents.
6. Melanin bleach.
7. Advantages of Frozen section.
8. Regressive staining.
9. Cytospin.
10. Honing.
