

SECOND SEMESTER EXAMINATION
DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
Paper Code: DMLT0201
Paper Name: Basic Pathology

Maximum Marks = 70

Maximum Time = 3 Hrs.

The question paper has seven questions. The candidate must attend only five of them. All the questions has equal marks

| | | |
|-------------|---|----------|
| Question 1. | Discuss the basic concepts of pathology, including the study of disease processes, cellular and tissue changes, and the impact on organ systems. | 14 Marks |
| Question 2. | Analyze the principles and techniques of histopathology, including the examination of tissues and cells to diagnose diseases and understand their underlying mechanisms. | 14 Marks |
| Question 3. | Discuss the pathogenesis and characteristics of common diseases, such as infections, inflammation, neoplasms, and autoimmune disorders. | 14 Marks |
| Question 4. | Explain the principles and methods of laboratory diagnosis in pathology, including the use of staining techniques, molecular tests, and imaging modalities to aid in disease diagnosis. | 14 Marks |
| Question 5. | Analyze the role of genetics and molecular pathology in understanding the etiology and progression of genetic disorders and cancer. | 14 Marks |
| Question 6. | Discuss the principles of forensic pathology, including the examination of deceased individuals to determine the cause and manner of death. | 14 Marks |
| Question 7. | Analyze the emerging trends in pathology, such as digital pathology, telepathology, and personalized medicine, and their impact on disease diagnosis and treatment. | 14 Marks |