

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

M.D. / M.S DEGREE EXAMINATIONS: OCTOBER 2025

PATHOLOGY

PAPER – I

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

10 X 10 = 100

1. Discuss the various cellular receptors associated with signal transduction pathways.
2. Discuss the properties of the principal free radicals involved in cell injury.
3. Describe Angiogenesis in health and disease.
4. Discuss the major pathogenic pathways in septic shock.
5. Discuss the molecular diagnostic methods and indications for testing.
6. Discuss the mechanisms of renal transplant rejection and methods of increasing graft survival.
7. Discuss the role of Microsatellite instability in Neoplasia.
8. Discuss the immunological basis of primary pulmonary tuberculosis with a note on its morphology.
9. Discuss the effects of chronic alcoholism on various organs.
10. Mention the risk factors and post-mortem findings in Sudden infant death syndrome.
