

Q.P.CODE:122-NR

Dr. NTR University of Health Sciences::Vijayawada-520 008

M.D. DEGREE EXAMINATION – **APRIL, 2019**

PATHOLOGY

Paper-III : Hematology, Clinical Pathology, Cytology &
Chemical Pathology

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss the hematopoietic stem cell transplantations
- 2) Discuss Hepatorenal syndrome
- 3) Iron refractory iron deficiency Anemia
- 4) List the primary immunodeficiency diseases and enumerate their common features
- 5) Langerhans cell Histiocytosis
- 6) Discuss red cell enzymopathies
- 7) Investigation of a thrombotic tendency
- 8) Molecular genetics and immunohistochemistry of diffuse large cell lymphomas
- 9) Discuss laboratory diagnosis of myelodysplastic syndromes
- 10) Discuss the cytology of breast neoplasms
