

Question Paper

Exam Date & Time: 25-Jan-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. MLT (MICROBIOLOGY & IMMUNOLOGY) DEGREE EXAMINATION - JANUARY 2023
SUBJECT: MMLT 601- HEMATOLOGY AND CLINICAL PATHOLOGY
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Classify hemolytic anemia. Discuss in detail about pathophysiology, clinical symptoms and laboratory diagnosis of β thalassemia. (20)
(3+5+5+7 = 20 marks)
- 2) Discuss the collection of CSF. Explain the physical and Microscopic examination of CSF in detail (20)
(8+5+7 = 20 marks).
- 3A) Discuss chronic myeloid leukemia. (10)
- 3B) Discuss lab diagnosis of multiple myeloma (10)
- 3C) Discuss on Disorders of vascular components (10)
- 3D) Enumerate the collection of synovial fluid with its physical and chemical examination. (10)
- 4A) Write a short note on schilling test (5)
- 4B) Write a short note on neutrophilia (5)
- 4C) Discuss urine physical examination (5)
- 4D) Auer rods and fagot cells (5)

-----End-----