

**ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW**  
**MBBS DEGREE - II<sup>nd</sup> PROFESSIONAL - REGULAR EXAMINATION - DEC**  
**2024**

**PATHOLOGY - PAPER - I**

TIME : 3 Hrs Max. Marks : 100 Marks (80 Theory + 20 MCQs)

NOTE:

Attempt all questions.

This question paper consists of two sections: Section A- Multiple Choice Questions and Section B- Theory Questions.

Both the section has different paper code. Write correct paper code on respective sheet

Write correct MCQ paper set on OMR sheet

Answer MCQs on the provided OMR sheet and theory questions on the provided answer booklet.

**SECTION B - THEORY QUESTIONS**

PAPER CODE : 2411230004

1. Long Answer Question: Define thrombosis & enumerate the etiological factors for thrombosis; write in detail about pathogenesis, morphology & fate of thrombus.
2. Clinical Case Scenario: 50/Male presented with massive splenomegaly; total WBC count 235,000 cells/mm<sup>3</sup> with neutrophilic precursors and platelet count 580,000 cells/mm<sup>3</sup>.
  - a) What is your diagnosis? (2 marks)
  - b) Different investigation of blood? (2 marks)
  - c) What is the molecular basis of this disease? (3 marks)
  - d) Write about the microscopic morphological features in this peripheral smear and bone marrow. (5 marks)
  - e) Classify myeloproliferative neoplasms. (3 marks)
3. Short Note Question (Within 500 Words):
  - a) Write about dystrophic and metastatic calcification
  - b) Describe events in pathogenesis of HIV infection
  - c) Glycogen storage disorders
  - d) Describe the importance of respect in relationship with patients, fellow team members, superiors and other health care workers
  - e) Laboratory diagnosis of megaloblastic anemia
4. Short Answer Questions (Within 100 Words):
  - a) Down's syndrome
  - b) Write factors affecting wound healing
  - c) Define hyperplasia and give two examples
  - d) Amyloidosis of spleen
  - e) Describe obesity pathogenesis and its relation to cancer