

**ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, UTTAR PRADESH**  
**MBBS DEGREE - II<sup>nd</sup> PROFESSIONAL - SUPPLEMENTARY EXAMINATION - APRIL 2025**  
**PATHOLOGY - PAPER - I**

TIME : 3 Hrs

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

NOTE:

1. Attempt all questions.
2. This question paper consists of two sections: Section A - Multiple Choice Questions and Section B - Theory Questions.
3. Both sections have different paper codes. Write correct paper code on respective sheet.
4. Write correct MCQ paper set on OMR sheet.
5. Answer MCQs on the provided OMR sheet and theory questions on the provided answer booklet.
6. Any attempt to use unfair means will result in disqualification.

**SECTION B - THEORY QUESTIONS**

PAPER CODE : 2521230004

Q.1 Long Answer Question 15 MARKS

- i) Define Necrosis. Discuss morphological changes of Necrosis. 5 marks
- ii) Enumerate the different type of necrosis and describe any one type of Necrosis. 5 marks
- iii) Write differences between necrosis and apoptosis. 5 marks

Q.2 Clinical Case Scenario based Structured Question 15 MARKS

A 35-year-old male presents to the clinic with a persistent cough, fever, night sweats, and unintentional weight loss of 10 kg over the past 3 months. On physical examination, he is found to have decreased breath sounds in the right upper lobe and a low-grade fever. X-ray shows right upper lobe infiltrate with cavitations.

- i) What is the most likely diagnosis? 2 marks
- ii) Describe different types of this disease and difference between them. 6 marks
- iii) Describe pathogenesis of this disease. 3 marks
- iv) Mention spread of this disease in detail. 4 marks

Q.3 Short Note Question (Within 500 Words) 5 x 6 = 30 MARKS

- i) Define and enumerate types of shocks.
- ii) Fracture healing.
- iii) Tumour markers.
- iv) Classification of anemia.
- v) Write a short note on role of doctors in the community.

**Q.4 Short Answer Questions (Within 100 Words)**

**5 x 4 = 20 MARKS**

- i) Biological carcinogen.
- ii) Blood grouping system. Mention different methods of blood grouping.
- iii) Klinefelter syndrome.
- iv) Hemophilia.
- v) Opportunistic infection in AIDS.

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