

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

**MICROBIOLOGY - 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 : 2411230006

1. Define hypersensitivity. Classify hypersensitivity reaction, differentiate between immediate and delayed hypersensitivity, and write the principle of type I hypersensitivity.
2. Clinical Case Scenario: A 25 year old man in the month of October presented with fever, myalgia, headache since 7 days and developed petechiae, ecchymosis, pain abdomen and hematemesis since 2 days for which he was admitted in the hospital.
  - a) What is the provisional clinical diagnosis (1 mark)
  - b) Name the vector by which the disease is transmitted (1 mark)
  - c) Describe the pathogenesis (3 marks)
  - d) Describe the laboratory diagnosis (10 marks)
3. Short Note Question (Within 500 Words):
  - a) Diarrhoeagenic Escherichia coli
  - b) Lab diagnosis of Kala-azar
  - c) Serological marker of hepatitis B infection
  - d) Amoebic liver abscess
  - e) Lab diagnosis of enteric fever
4. Short Answer Questions (Within 100 Words):
  - a) Mention the differences between Wuchereria bancrofti and Brugia malayi
  - b) Describe the peripheral blood smear picture of Plasmodium vivax
  - c) Viral inclusion body
  - d) Viral diarrhoea
  - e) Dimorphic fungi