

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY, LUCKNOW
MBBS DEGREE - IInd PROFESSIONAL - REGULAR EXAMINATION - DEC
2024

MICROBIOLOGY - PAPER - II

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 : 2412230006

1. Long Answer Question: Illustrate a labeled schematic diagram of HIV and describe its structural morphology. List the modes of transmission, and explain its pathogenesis along with the methods for laboratory diagnosis.
2. Clinical Case Scenario: A 65 year old man presented to OPD with a history of low grade fever with evening rise in temperature, loss of appetite and productive cough for previous 2-3 months. Since last 3 days he had blood tinged sputum. He had weight loss of 6 kg in last six months. Chest X ray showed a nodular infiltrate in apical area of right upper lobe.
 - a) What is the provisional diagnosis and write the causative agent (1 mark)
 - b) Write the pathogenesis of the condition (4 marks)
 - c) Describe the lab diagnosis. (10 marks)
3. Short Note Question (Within 500 Words):
 - a) Laboratory diagnosis of viral meningitis
 - b) Staphylococcal toxic shock syndrome
 - c) Laboratory diagnosis of diphtheria
 - d) Primary amoebic meningoencephalitis
 - e) Healthcare associated infections
4. Short Answer Questions (Within 100 Words):
 - a) Differences between fixed and street rabies virus
 - b) Differences between lepromatous and tuberculoid leprosy
 - c) Nongonococcal urethritis
 - d) Antigenic shift and antigenic drift
 - e) Causative agents of sexually transmitted diseases