

ATAL BIHARI VAJPAYEE MEDICAL UNIVERSITY**MBBS DEGREE - IInd PROFESSIONAL - REGULAR EXAMINATION - DEC 2024****PHARMACOLOGY - 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 : 2411230005

1. Long Answer Question: Classify anticholinesterases; what are nerve gases and where are they used; discuss mechanism of action and indications of reversible anticholinesterases; outline management of acute organophosphorous poisoning.
2. Clinical Case Scenario: A 25-year-old male with excessive fatigue and lack of sleep, socially withdrawn, two suicide attempts; prescribed fluoxetine.
 - a) Explain mechanism of action, uses and adverse effects of fluoxetine. (3 marks)
 - b) Why fluoxetine takes a long time to show its clinical effect? (4 marks)
 - c) Classify other drugs useful in the above condition. (4 marks)
 - d) What advantages SSRIs have over TCAs for management of depression? (4 marks)
3. Short Note Question (Within 500 Words):
 - a) Special drug delivery systems
 - b) Centrally acting cough suppressants and their use
 - c) Role of doctors in community
 - d) Advantages & disadvantages of 2nd generation antipsychotics
 - e) Elaborate use of nitrates and beta blockers in angina pectoris
4. Short Answer Questions (Within 100 Words):
 - a) Drug antagonism with appropriate examples
 - b) Uses & advantages of newer antiepileptic drugs
 - c) Cardiac & non-cardiac uses of beta blockers
 - d) Mention two advantages and disadvantages of sublingual route of drug administration
 - e) Dopaminergic agonist in Parkinsonism