

PAPER CODE: MDU0201

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
MD (UNANI) SECOND SUMMATIVE ASSESSMENT EXAMINATIONS:
NOVEMBER 2025

APPLIED BASICS OF ILMUL ADVIA

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Application Based Question:

1 X 20 = 20

1. Formulate a detailed plan to demonstrate blood sample collection and various routes of drug administration in laboratory animals. Explain how simulation software will be useful in these.

Short Answer Questions:

8 X 5 = 40

2. Describe quantitative phytochemical test to assess secondary metabolites in Unani formulations.
3. Highlight the differences between Thin Layer Chromatography (TLC) and paper Chromatography in the drug standardization.
4. What are good storage and transport conditions for crude drugs and why are they important?
5. Discuss the limitations and ethical considerations of classical methods of drug development in animal research.
6. Discuss the significance and methodology of bioassay in Unani pharmacology.
7. Write an account on Carcinogenicity studies and describe two relevant guidelines.
8. Describe animal models for evaluation of Anti-ulcer activity in Unani research.
9. Discuss the importance of proper experimental design for animal research.

Long Answer Questions:

4 X 10 = 40

10. Enumerate qualitative phytochemical test with appropriate reagents. How do these tests aid in standardization?
11. Critically analyse experimentation as described by Galen for developing Tiryaq and discuss its relevance today.
12. Discuss guidelines for toxicity studies in Unani drugs and name the guidelines.
13. Create the experimental design to screen an anti-inflammatory Unani drug using animal models.
