

PAPER CODE: MDU0501

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
MD UNANI SECOND SUMMATIVE ASSESSMENT SUPPLEMENTARY
EXAMINATIONS: MAY, 2026
APPLIED BASICS OF KULLIYAT-E-TIB

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Application Based Question:

1 X 20 = 20

1. Discuss the Bohr effect in relation to Oxygen- Haemoglobin dissociation curve. And explain how do changes in Ph and CO concentration affect oxygen delivery to tissue.

Short Answer Questions:

8 X 5 = 40

2. Define *Unsur* and *Ruh* an in Unani system. How are they linked to body physiology.
3. Discuss the mechanism of RNA transcription and its regulation.
4. Enumerate the key features of medieval scholarship (500-1500AD), and their contributions to Unani medicine.
5. Write a brief note on the concept of *Qiyas Wa Tajarba* (syllogistic inference & experiment).
6. Compare the roles of HDL & LDL in lipid transport. How does their dysregulation contribute to atherosclerosis.
7. Write a short note on *AQL* (intellect) and *Dalail Wa Barahiin* (reasoning and proofs).
8. What is Thermolysis? Briefly discuss its role in Homeostasis.
9. Enumerate the protein metabolism disorders and explain their pathogenesis.

Long Answer Questions:

4 X 10 = 40

10. Explain the structure and replication mechanism of DNA.
11. Describe the aerobic & anaerobic pathways of carbohydrate metabolism.
12. Explain the enzymatic structure, kinetics & their inhibition mechanism.
13. Describe the role of ROS (Radical Oxygen Species) in antimicrobial & cytotoxic activity.
