

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

APPLIED BASICS OF KULLIYATE TIB

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Application Based Question:

1 X 20 = 20

1. Select any one prominent Greco-Roman scholar and critically analyse how their foundational contributions influenced the development of Unani medicine. Create a case-based scenario in which their philosophical or medical principles are applied in understanding diagnosis, treatment, or classification of disease in a modern Unani clinical setup.

Short Answer Questions:

8 X 5 = 40

2. Explain the role of electrical forces in nerve conduction and muscular response.
3. Define enzymes. Mention any two factors affecting enzyme activity with example.
4. What is *Qiyas* (syllogistic inference)? Explain its role in Unani reasoning.
5. Define blood viscosity and explain its physiological importance?
6. What is Ketogenesis? Describe its role during starvation.
7. What is Protein folding? How does it affect protein function.
8. Discuss any two physiological roles of biomolecules in human health.
9. What are Cell signalling pathways? Explain their relevance in disease regulation.

Long Answer Questions:

4 X 10 = 40

10. Describe Glycolysis and Gluconeogenesis pathways. analyse their role in maintain glucose homeostasis and their clinical relevance in diabetes mellitus.
11. Explain the process of transcription and RNA processing. Discuss the regulatory mechanisms involved and their significance in genetic expression.
12. Elaborate on the generation, types, and physiological impact of reactive oxygen species (ROS). Discuss the role of antioxidants in combating oxidative stress.
13. Define Asbab e Wujud (causes of Existence). Distinguish between physical and metaphysical realities and evaluate their importance in understanding human composition and disease from Unani perspective.