

Time allowed: 03 Hours

Note: Attempt all questions of all sections.

Section-A (10X2=20)

1. Describe 'Research' and its significance in *Ilmul Advia*.
2. Explain 'Methodology' and its type.
3. Define 'Hypothesis' and describe 'Null Hypothesis'.
4. Describe significance of 'Review of literature' in research.
5. How to write a 'Thesis'?
6. Differentiate between 'Thesis and 'Dissertation'.
7. Define 'research question' and its significance.
8. Explain significance of experimental model in research.
9. Define 'Placebo'.
10. Define 'Outcome' and its type.

Section-B (5X5=25)

1. Define clinical trial, their types and significance.
2. Describe Clinical Trial Registry and its importance in research.
3. Describe an animal model used for antipyretic study.
4. Describe 'Pharmacovigilance' and its scope in Unani medicine.
5. Define Mean, Mode and Standard Deviation.

Section-C (3X10=30)

1. Define 'significance of p value' with examples.
2. Explain phases in clinical research
3. Describe 'ANOVA', its types and significance.