

Roll No.....

SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH (SUMER)
JAMIA HAMDARD-110 062

MD (Ilmul Advia)-1st Year Annual Examination-2020
Paper No.-MDI-102: Usoole Tehqeeq wa Hayati Shumariyat
(Research Methodology & Bio-statistics)

Time allowed: 03 Hours

Maximum Marks: 75

Attempt all questions of all sections.

Section-A (10X2=20)

1. Define 'Research' and its scope in *Ilmul Advia*.
2. Describe 'Methodology' and its type.
3. Describe 'Review of literature'.
4. Define 'Hypothesis' and its type.
5. Describe components of a 'Thesis'.
6. Differentiate between 'Dissertation' and 'Thesis'.
7. What is research problem?
8. Describe experimental model.
9. Define 'Biomarker'.
10. Differentiate between 'Drug assay' and 'Bioassay'.

Section-B (5X5=25)

1. Discuss clinical trial, their types and significance.
2. Describe an animal model used for Analgesic study.
3. Describe Smith's Profile for screening of Drugs.
4. Describe characteristics of Guinea Pig and its uses as an experimental animal.
5. Define 'Test of significance' and its implications.

Section-C (3X10=30)

1. Discuss 'Probability' with appropriate examples.
 2. Describe 'ANOVA', its types and significance.
 3. Define 'SPSS' 'SWOT' and 'Cloud computing'
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