

Roll No.....

SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH
M.D (MOALEJAT) FIRST YEAR ANNUAL EXAMINATION 2022
PAPER No.-MDM:102
Moalajati Usoole Tehqeeq wa Hayati Shumariyat
(Research Methodology & Biostatistics)

Time: 03 hours

Maximum Marks: 75

SECTION-A

Q.1: Answer all questions (Maximum words 20 for each) (10X2=20)

- a) Define the term "Study Design"?
- b) What is "Blinding" in a clinical trial?
- c) Define "Placebo"?
- d) What is Standard Control?
- e) What do you understand by "Zero-phase trial"?
- f) What is "Bias" in trial?
- g) Differentiate between Basic Vs Applied research.
- h) What do you understand by "Parametric test"?
- i) Define the term "Probability"
- j) Construct a frequency polygon for the data given below:

No. of Fishes	Frequency
50-100	8
100-150	12
150-200	18
200-250	24

SECTION-B

Note: Answer all questions (Maximum 100 words for each) (5X5=25)

- Q.2: Define Hypothesis. Write down the types of errors in hypothesis?
- Q.3: What is a Research problem? Mention the characteristics of a good research problem and its practical significance.
- Q.4: Write a note on Declaration of Helsinki?
- Q.5: What is the difference between Quantitative & Qualitative data?
- Q.6: What do you understand by the term "Protocol" in clinical trials. Mention its various components.

SECTION-C

Note: Answer all questions (Maximum words 300 for each) (3 X10=30)

- Q.7: Define "Clinical Trial". Discuss the different phases of a clinical trial.
- Q.8: What is "Randomization". Explain the advantages and different techniques of randomization with suitable examples.
- Q.9: Define the terms Mean, Median & Mode and solve the given problem:
Mid-arm circumference (cm) of 25 male children aged 4 months is given below:
14,11,11,10,12,13,10,14,11,11,10,12,12,13,13,11,14,12,12,12,13,12,12,13,12
Calculate the mean, median & mode.
