

RESEARCH METHODOLOGY
(COMMON FOR ALL SPECIALITIES)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Analytical based structured question (ABQ)

1 X 20 = 20

1. A researcher wants to study the effect of air pollution on lungs. Plan the case control study and answer the following questions.
 - a) What will be the research question?
 - b) Define case and control of the above study?
 - c) How will the exposure be assessed?
 - d) What will be the method of data collection?
 - e) Which statistical test will be used?
 - f) What will be the ethical considerations?

Short answer questions:

8 X 5 = 40

2. Explain different research concepts in Unani medicine.
3. Define research problem and describe its sources.
4. Explain Cohort study.
5. Define flexible dose design and explain its applications and advantages.
6. Define manuscriptology and describe its steps.
7. Explain a checklist of synopsis.
8. Explain the different citation styles.
9. Explain falsification and fabrication of data with examples.

Long answer questions:

4 X 10 = 40

10. Define Hypothesis and describe its types.
11. Explain composition and process of animal ethical committee.
12. Describe protocols for drug quality testing.
13. Explain the guidelines related with publication ethics.
