



Faculty: PHARMACY

Subject: Research Methodology Model Question Paper

1. SPSS is an acronym of the following?
 - A. Statistical Predictions for Social Sciences.
 - B. Sexual Preferences for the Sixties and Seventies.
 - C. Statistical Package for the Social Sciences.
 - D. Sexual Performance and SAD Syndrome.

2. Final stage in the Research Process is
 - A. Problem formulation
 - B. Report Writing
 - C. Data collection
 - D. Data Analysis

3. A comprehensive full Report of the research process is called
 - A. Thesis
 - B. Summary Report
 - C. Abstract
 - D. Article

4. The first page of the research report is
 - A. Title Page
 - B. Appendix
 - C. Bibliography
 - D. Index

5. ANOVA is _____
 - A. A government body which collects social statistics.
 - B. A one-way analysis of variance.
 - C. A two-way analysis of variance.
 - D. The name of a statistical software package

6. The first purpose of a survey is to
 - A. Description
 - B. Evaluation
 - C. Partition
 - D. Provide Information

7. Questions in which only two alternatives are possible is called
 - A. Dichotomous questions
 - B. Multiple choice questions
 - C. Open ended questions
 - D. Structured questions



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8. What are the core elements of a Research Process?
- A. Introduction; Data Collection; Data Analysis; Conclusions and Recommendations
 - B. Executive Summary; Literature Review; Data Gathered; Conclusions; Bibliography
 - C. Research Plan; Research Data; Analysis; References
 - D. Introduction; Literature Review; Research Methodology; Results; Discussions and Conclusions
9. Identifying causes of a problem and possible solution to a problem is
- A. Field Study
 - B. Diagnosistic study
 - C. Action study
 - D. Pilot study
10. What is bioavailability
- A. The time of absorption of the drug from its dosage form
 - B. The rate of absorption of the unchanged drug from its dosage form
 - C. The time of absorption of the unchanged drug from its dosage form
 - D. The rate of absorption of the drug from its dosage form
11. Which of the following is true regarding research objectives?
- A. Research objectives, when achieved, will provide sufficient earnings to obtain a reasonable return on investment.
 - B. Research objectives, when obtained, will ensure the viability of the marketing research department.
 - C. Research objectives, when achieved; provide the information necessary to solve the problem.
 - D. Research objectives are seldom achieved but should be stated as goals to be sought
12. An image, perception or concept that is capable of measurement is called _____.
- A. Scale.
 - B. Variable
 - C. Hypothesis
 - D. Type
13. In order to pursue the research, which of the following is priorly required?
- A. Developing a research design
 - B. Deciding about the data analysis procedure
 - C. Formulating a research hypothesis
 - D. Formulating a research question
14. What are the conditions in which Type-I error occurs?
- A. The null hypotheses get accepted even if it is false
 - B. Both the null hypotheses as well as alternative hypotheses are rejected
 - C. The null hypotheses get rejected even if it is true
 - D. None of the above



15. How to judge the depth of any research?

- A. By research title
- B. By research objectives
- C. By research duration
- D. By total expenditure on research

16. Research is

- A. Working in a scientific way to search for truth of any problem
- B. Searching again and again
- C. Finding solution to any problem
- D. None of the above

17. A statement of the quantitative research question should:

- A. Extend the statement of purpose by specifying exactly the questions the researcher will address
- B. Help the research in selecting appropriate participants, research methods, measures and materials
- C. Specify the variables of interest
- D. All the above

18. Why do you need to review the existing literature?

- A. To make sure you have a long list of references
- B. Because without it, you could never reach the required word-count
- C. To find out what is already known about your area of interest
- D. To help in your general studying

19. What is the Equation of Bioavailable Fraction

- A. $1/\text{Bioavailable dose}$
- B. $1/\text{Administered dose}$
- C. $\text{Bioavailable dose}/\text{Administered dose}$
- D. $\text{Administered dose}/\text{Bioavailable dose}$

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21. Functions in MS Excel must begin with _____

- A. An () sign
- B. An Equal Sign
- C. A Plus Sign
- D. A > Sign



22. If the population proportion equals p_0 Z Test $= (\bar{x} - \mu) / (\sigma / \sqrt{n})$, then is distributed:

- A. As a Poisson variable
- B. As the t-distribution with $v = n - 1$ degrees of freedom
- C. As a distribution with v degrees of freedom
- D. As a standard normal variable, if $n > 30$

23. Which test is the part of the parametric test?

- A. Sign Test
- B. Run Test for Randomness
- C. Kruskal-Willis Test
- D. z-test

24. In a survey there is an enumerator and a.....

- A. Guide
- B. Respondent
- C. Supervisor
- D. Messenger

25. The main objective of _____ study's to acquire knowledge

- A. Exploratory
- B. Descriptive
- C. Diagnostic
- D. Descriptive and Diagnostic

Qn. No	Key, Ans	Qn. No	Key, Ans
01	C	14	C
02	B	15	B
03	A	16	A
04	A	17	D
05	B	18	C
06	D	19	C
07	A	20	B
08	D	21	B
09	B	22	D
10	B	23	D
11	C	24	B
12	B	25	B
13	D		