

**M.Sc. III Semester Degree Examination, April/May - 2024****BIOTECHNOLOGY**
Research Methodology
(NEP)

Time : 1 Hour

Maximum Marks : 30

Note : Each question carries **one** mark.

1. An image, perception or concept that is capable of measurement is called _____.
(A) Scale (B) Hypothesis (C) Type (D) Variable
2. What are the conditions in which Type-I error occurs ?
(A) The null hypotheses get accepted even if it is false
(B) The null hypotheses get rejected even if it is true
(C) Both the null hypotheses as well as alternative hypotheses are rejected
(D) None of the above
3. Which of the following is not the method of Research ?
(A) Survey (B) Historical (C) Observation (D) Philosophical
4. In the process of conducting research "Formulation of Hypothesis" is followed by :
(A) Statement of Objectives (B) Analysis of Data
(C) Selection of Research tools (D) Collection of Data
5. Concepts are _____ of Research.
(A) Guide (B) Tools (C) Methods (D) Variables
6. 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
7. Survey is a _____ study.
(A) Descriptive (B) Fact finding (C) Analytical (D) Systematic



8. A research report is the presentation of :
- (A) Positive evidences (B) Negative evidences
(C) Both (A) and (B) (D) None of the above
9. Identifying causes of a problem and possible solution to a problem is :
- (A) Field study (B) Diagnostic study
(C) Action study (D) Pilot study
10. Which of the following is the most eye catching part of the research report ?
- (A) Summary (B) Conclusion
(C) Preface (D) Glossary of terms
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. A complete list of all the sampling units is called :
- (A) Sampling design (B) Sampling frame
(C) Population frame (D) Cluster
13. When one examines the entire population instead of a subgroup of the population, this is called a _____.
- (A) Sampling (B) Census (C) Population (D) Bias
14. Random sampling is also called _____.
- (A) Availability sampling (B) Probation sampling
(C) Probability sampling (D) Prospect sampling
15. A comprehensive full report of the research process is called :
- (A) Thesis (B) Summary Report
(C) Abstract (D) Article
16. 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.



17. ANOVA is _____.
- (A) A government body which collects social statistics.
 - (B) The name of a statistical software package.
 - (C) A one-way analysis of variance.
 - (D) A two-way analysis of variance.
18. In SPSS, what is the "Data Viewer" ?
- (A) A table summarizing the frequencies of data for one variable
 - (B) A spreadsheet into which data can be entered
 - (C) A dialog box that allows you to choose a statistical test
 - (D) A screen in which variables can be defined and labeled
19. A feature that displays only the data in column(s) according to specified criteria :
- (A) Formula
 - (B) Sorting
 - (C) Filtering
 - (D) Pivot
20. The _____ feature of MS Excel quickly completes a series of data.
- (A) Auto Complete
 - (B) Auto Fill
 - (C) Fill Handle
 - (D) Sorting
21. In Excel, which one denoted a range from B1 through E5 ?
- (A) B1 - E5
 - (B) B1 : E5
 - (C) B1 to E5
 - (D) B1 \$ E5
22. APA Style, MLA Style, Chicago Manual, Blue Book, OSCOLA are famously known as :
- (A) Citation Manuals
 - (B) Directories
 - (C) Abbreviation Manuals
 - (D) Hand books
23. Literature collected for review includes :
- (A) Primary and Secondary Sources
 - (B) Secondary and Tertiary Sources
 - (C) Primary and Tertiary Sources
 - (D) None of these
24. APA Style stands for :
- (A) American Psychological Association
 - (B) American Psychological Associates
 - (C) Association of Psychological of Americans
 - (D) American Psychologist Association
25. ISSN stands for :
- (A) International Standard Social Number
 - (B) International Source Serial Number
 - (C) International Standard Serial Number
 - (D) Indian Standard Society Number



- 26.** Which journal metric tracks citations of the last three years ?
(A) Cite Score (B) Impact Factor (C) H5 index (D) Eighteen factor
- 27.** Which is an indexing agency ?
(A) NASA (B) SCOPUS (C) MHRD (D) Turnitin
- 28.** i10 index refers to :
(A) 10 paper with 10 or more citations
(B) Number of paper with 10 or more citations
(C) (A) and (B)
(D) None of the above
- 29.** Which of the following completes the research process ?
(A) Research note (B) Report writing
(C) Summary writing (D) Preface writing
- 30.** The research is always :
(A) Verifying the old knowledge
(B) Exploring the new knowledge
(C) Both (A) and (B)
(D) None of the above

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