

No. of Printed Pages : 7

Sl. No.

Question Booklet Code

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21CSC3S3LP

**M.Sc. III Semester Degree Examination, April/May - 2023
Skill Enhancement Courses (SEC)**

COMPUTER SCIENCE

Research Methodology

Time : 1 Hour

Maximum Marks : 30

INSTRUCTIONS TO CANDIDATES

1. The Question Paper will be given in the form of a Question Booklet. There will be four/two/one versions of Question Booklets with Question Booklet Code viz. **A, B, C & D / A & B / A**.
2. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your Question Booklet is un-numbered, please get it replaced by new Question Booklet with same Code.
3. Immediately after the commencement of the examination, the candidate should check that the Question Booklet supplied to him contains all the 30 questions in serial order. The Question Booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same Code. This is most important.
4. A blank sheet of paper is attached to the Question Booklet. This may be used for Rough Work.
5. **Please read carefully all the instructions on the top of the Answer Sheet before marking your answers.**
6. Each question is provided with four choices **(A), (B), (C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using **Black Ball-Point Pen** in the OMR Answer Sheet.
7. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator.
8. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.
9. First fifteen minutes is provided to fill the general information of the Student. Eg. Student Name, Student ID, etc. in the OMR Answer Sheet.
10. Without the instruction of the Invigilator do not open the Question Paper Booklet Seal.

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P.T.O.

1. What is the major attribute of Correlation Analysis ?
 - (A) Association among variables
 - (B) Difference among variables
 - (C) Regression among variables
 - (D) Variations among variables

2. Authenticity of a research finding is its :
 - (A) Validity
 - (B) Objectivity
 - (C) Originality
 - (D) All of the above

3. What does the longitudinal research approach actually deal with ?
 - (A) Long-term research
 - (B) Short-term research
 - (C) Horizontal research
 - (D) None of the above

4. Research problem is selected from the standpoint of :
 - (A) Social relevance
 - (B) Financial support
 - (C) Researcher's interest
 - (D) Availability of relevant literature

5. What is the name of the conceptual framework in which the research is carried out ?
 - (A) Research hypothesis
 - (B) Synopsis of Research
 - (C) Research paradigm
 - (D) Research design

6. A research problem is feasible only when :
 - (A) It has utility and relevance
 - (B) It is new and adds something to knowledge
 - (C) It is researchable
 - (D) All of the above



7. Which of the following options are the main tasks of research in modern society ?
- (A) To learn new things
 - (B) To keep pace with the advancement in knowledge
 - (C) To systematically examine and critically analyze the investigations/sources with the objective
 - (D) All of the above
8. How can we enhance the research objective ?
- (A) By making it more valid
 - (B) By making it more reliable
 - (C) By making it more impartial
 - (D) All of the above
9. In order to pursue the research, which of the following is priorly required ?
- (A) Developing a research design
 - (B) Formulating a research question
 - (C) Deciding about the data analysis procedure
 - (D) Formulating a research hypothesis
10. How is random sampling helpful ?
- (A) Reasonably accurate
 - (B) An economical method of data collection
 - (C) Free from personal biases
 - (D) All of the above
11. Which of the following is not the method of Research ?
- (A) Survey
 - (B) Historical
 - (C) Observation
 - (D) Philosophical
12. What is the main role of research in education ?
- (A) To upsurge one's social status.
 - (B) To increase one's job prospects.
 - (C) To augment one's personal growth.
 - (D) To help an applicant in becoming a renowned educationalist.



13. Who was the author of the book named “Methods in Social Research” ?
(A) Kerlinger
(B) CR Kothari
(C) Goode and Hatt
(D) Wilkinson
14. Which of the following does not correspond to characteristics of research ?
(A) Research is not passive
(B) Research is systematic
(C) Research is not a problem-oriented
(D) Research is not a process
15. What is the main aim of interdisciplinary research ?
(A) To over simplify the problem of research
(B) To bring out the holistic approach to research
(C) To create a new trend in research methodology
(D) To reduce the emphasis on a single subject in the research domain
16. Evaluation Research is concerned with _____.
(A) How well are we doing ?
(B) Why are we doing ?
(C) What are we doing ?
(D) None of the above
17. What are those conditions where a research problem is not viable ?
(A) It is new and adds something to knowledge
(B) It can be researched
(C) It has utility and relevance
(D) It contains dependent and independent variables
18. The format of thesis writing is the same as in :
(A) Writing of Seminar representation
(B) Preparation of research paper/article
(C) A research dissertation
(D) Presenting a workshop/conference paper
19. Which one among the following is the most comprehensive source of population data ?
(A) Census
(B) National Sample Surveys
(C) Demographic Health Surveys
(D) National Family Health Surveys



20. On what basis can one formulate the assumptions ?
- (A) The cultural background of the country
 - (B) Universities
 - (C) Some specific characteristics of castes
 - (D) All of the above
21. Which one among the following statements is false in the context of participatory research ?
- (A) It recognizes knowledge as power
 - (B) It is a collective process of inquiry
 - (C) It emphasizes people as experts
 - (D) Its sole purpose is the production of knowledge
22. Who can successfully conduct Research ?
- (A) Someone who is a hard worker
 - (B) Possesses post-graduation degree
 - (C) Has studied research methodology
 - (D) Possesses thinking and reasoning ability
23. Which one among the following statements is correct in context to research ?
- (a) Research refers to a series of systematic activity or activities undertaken to find out the solution to a problem.
 - (b) It is a systematic, logical and unbiased process where in verification of hypotheses, data analysis, interpretation and formation of principles can be done.
 - (c) It is an intellectual inquiry or quest towards truth.
 - (d) It enhances knowledge.
- Select the **correct** answer from the codes given below :
- (A) (a), (b), (c) and (d)
 - (B) (a), (b) and (c)
 - (C) (b), (c) and (d)
 - (D) (a), (c) and (d)
24. The conclusions/findings of which type of research cannot be generalized to other situations ?
- (A) Casual Comparative Research
 - (B) Historical Research
 - (C) Descriptive Research
 - (D) Experimental Research



25. Action-research can be understood as _____.
- (A) A longitudinal research
 - (B) An applied research
 - (C) A kind of research being carried out to solve a specific problem
 - (D) All of the above
26. A survey is a _____ study.
- (A) Descriptive
 - (B) Fact finding
 - (C) Analytical
 - (D) Systematic
27. How to judge the depth of any research ?
- (A) By research title
 - (B) By research duration
 - (C) By research objectives
 - (D) By total expenditure on research
28. Which of the following features are considered as critical in qualitative research ?
- (A) Collecting data with the help of standardized research tools.
 - (B) Design sampling with probability sample techniques.
 - (C) Collecting data with bottom-up empirical evidence.
 - (D) Gathering data with top-down schematic evidence.
29. What do you understand by the term "Anusandhan" ?
- (A) Goal-oriented
 - (B) Following an aim
 - (C) Attaining an aim
 - (D) Praying to achieve an aim
30. What is the best-suited name for a process that doesn't necessitate experimental research ?
- (A) Manipulation
 - (B) Controlling
 - (C) Content analysis
 - (D) Observation

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SPACE FOR ROUGH WORK

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