



BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – B.Tech.(CSE)-2019
Course Name – Research Methodology
Course Code - OEC-801A
(Semester VIII)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Identify the correct option: This is an idea or image specifically invented for a given research and/or theory building purpose
- | | |
|--------------|---------------|
| a) Construct | b) Definition |
| c) Concept | d) Variable. |
- (ii) Identify the correct option: Every research proposal, regardless of length should include two basic sections. They are
- | | |
|---|---------------------------------------|
| a) Research question and research methodology | b) Research proposal and bibliography |
| c) Research method and schedule | d) Research question and bibliography |
- (iii) A proposal is also described as a
- | | |
|---------------|-----------------|
| a) Work plan | b) Outline |
| c) Draft plan | d) All of these |
- (iv) A key concept is defined as
- | | |
|---|------------------------------|
| a) A sub-section in the theoretical framework | b) A source of data |
| c) A key idea, a key word or a key phrase | d) A means of gathering data |
- (v) Identify the correct option: The conceptual framework is contained in
- | | |
|--|------------------------------------|
| a) The literature review | b) The research methodology |
| c) The analysis carried out for the research project | d) The research statement/question |
- (vi) Social research is described as
- | | |
|-------------------------------|--|
| a) About statistical analysis | b) About investigating some aspect of the social world |
| c) one by sociologists | d) Always complex and difficult to understand |
- (vii) Business research is described as
- | | |
|--|---|
| a) About statistical analysis | b) Always complex and difficult to understand |
| c) About investigating some aspect of business | d) Not really relevant |
- (viii) Literature in the context of a research project is described as

- a) Published accounts of research that has been carried out and completed
 b) Any paper resource
 c) Any written material
 d) Any highly regarded novel or book
- (ix) Select the correct answer: Surveys tend to be
 a) Qualitative research projects, or largely qualitative research projects
 b) Feminist research projects, or largely feminist research projects
 c) Quantitative research projects, or largely quantitative research projects
 d) Image-based research projects, or largely image-based research projects
- (x) Select the correct answer: Primary data is
 a) Good data
 b) Data that is gathered first
 c) Data the researcher makes or creates themselves
 d) Data made or created by someone other than the researcher
- (xi) Complete the following: In qualitative research interviews are usually conducted
 a) In research laboratories
 b) In a structured and systematic manner
 c) Using a loosely designed interview schedule
 d) In a haphazard manner
- (xii) Complete the following: Data gathering schedules are designed to
 a) Provide the necessary data for the research project
 b) Fit into the bag the researcher carries
 c) Fit with the lifestyle the researcher pursues
 d) Provide the researcher with an introduction to the field or context within which the research will take place
- (xiii) Complete the following: Semi-structured interview and focus group schedules allow
 a) The researcher the opportunity to express themselves relatively freely with regard to the phenomenon under investigation
 b) Participants the opportunity to express themselves relatively freely with regard to the phenomenon under investigation
 c) The research supervisor the opportunity to express themselves relatively freely with regard to the phenomenon under investigation
 d) Gatekeepers in the research the opportunity to express themselves relatively freely with regard to the phenomenon under investigation
- (xiv) Complete the sentence: The more work for the researcher
 a) The more work for the researcher
 b) The less likelihood there is that all of the data will be analysed
 c) The less valid the research
 d) The better. Non responses change the nature of the study and the claims that can be made about the study
- (xv) Choose the correct one: Data management is
 a) A fundamental responsibility of the research supervisor
 b) A fundamental responsibility of research participants
 c) A fundamental responsibility of the researcher
 d) A fundamental responsibility of the organisation where the research is carried out

Group-B

(Short Answer Type Questions)

3 x 5=15

2. State different objectives of Research (3)
3. Explain the concept of theory in research (3)
4. Write a short note on Independent variable (3)
5. Write a short note on Dependent variable (3)
6. Differentiate between Hypothesis and theory (3)

OR

- Analyze there is a trade off between type I and type II errors? (3)

Group-C

7. Explain the steps of Inductive research and mention its advantages and disadvantages (5)
8. Explain the steps of research process in detail (5)
9. Explain the qualities of a Good hypothesis (5)
10. Explain the ethical issues in Ethical issues related to , Plagiarism (5)
11. Explain the ethical issues in Ethical issues related to , Self-Plagiarism (5)
12. compare and contrast Qualitative Vs. Quantitative research design (5)

OR

Construct the Layout of a Research Paper (5)
