BRAINWARE UNIVERSITY

Term End Examination 2023-2024
Programme – B.Sc.(MRIT)-2020/B.Sc.(MRIT)-2021
Course Name – Research Methodology
Course Code - BMRIT603
(Semester VI)

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)   Select the first stage in research process.
      a) Identification of problem   b) Review of literature
      c) Research design   d) Data analysis

(ii) Basic research is also known as a
      a) Fundamental Research   b) Applied research
      c) Qualitative research   d) Contractual Research

(iii) ....n is the arrangement of conditions for collection and analysis of data in a manner that aims to combine relevance to the research purpose with economy in procedure.
      a) Research Design   b) Research problem
      c) Hypothesis testing   d) Pylot study

(iv) Which of the following use to eliminate the errors from data.
      a) Editing   b) Coding
      c) Manipulation   d) Tabulation

(v)   Step by step & proper method is called
      a) Systematic approach   b) Non- Systematic approach
      c) Logical step   d) None of these

(vi) An abstract of the journal article doesn't contain
      a) Methodologies   b) Result
      c) Objective   d) Ethical Consideration

(vii) which of the following types of research goal is to create or design new products, goods, or services that meet the needs of certain markets in society.
      a) Research and Development   b) Evaluation Research
      c) Applied Research   d) Action Research

(viii) Structured observation is appropriate in the case of
      a) Analytical Study   b) Descriptive study

c) Fundamental Research

d) Basic

(ix) The data, after collection, has to be........................ in accordance with the outline laid down for the purpose at the time of developing the research plan.

    a) Processed and

    b) Analysed

    c) Both 1 & 2

    d) None of these

(x) select the good example of structured questionnaire

    a) Where only closed questions are used or the respondent has to choose from a limited set of options

    b) Where an online survey tool is used to structure the questionnaire

    c) Which only includes open questions

    d) Where respondents are encouraged to structure their responses in whichever way they want

(xi) A researcher want to study the association between gender and using mobule phone. Which type of data data should be collected for this study

    a) Qualitative

    b) Quantitative

    c) Continuous

    d) Classified

(xii) Identify the purpose of peer review in the research process

    a) To ensure research conforms to popular opinions

    b) To validate research findings

    c) To reject any findings that contradict existing theories

    d) To increase publication costs

(xiii) Predict the purpose of data analysis in research.

    a) To collect raw data

    b) To summarize and interpret collected data

    c) To design research studies

    d) To generate hypotheses

(xiv) Predict the incorrect method of data collection

    a) Surveys

    b) Interviews

    c) Data analysis

    d) Observations

(xv) Choose the primary purpose of data collection in research

    a) To generate hypotheses

    b) To summarize existing literature

    c) To gather information for analysis

    d) To establish ethical guidelines

Group-B
(Short Answer Type Questions)

3 x 5=15

2. Write a shot note on cross sectional study design. (3)
3. Summarize Intervention studies in research. (3)
4. Explain data collection in research. (3)
5. Explain Community Trials. (3)
6. Write a note on Analytical Research. (3)

OR

Write a note on importance of Research ethics (3)

Group-C
(Long Answer Type Questions)

5 x 6=30

7. Explain Qualitative Data Analysis. (5)
8. Write a note on processing of data (5)
9. Write a note on Research Skills. (5)
10. Describe different types of research (5)
11. Explain the Field trials and Community trials in experimental studies. (5)
12. Write in detail about Qualitative and Quantitative data analysis (5)

OR

Write about different methods of industrial data collection. (5)

****