



BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – B.Sc.(MRIT)-2022/B.Sc.(MRIT)-2023

Course Name – Research Methodology

Course Code - BMRITC606

(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 correct statement about questionnaire based data collection method

a)

A questionnaire consists of a number of questions printed or typed in a definite order on a form or set of forms.

b) The questionnaire is mailed to respondents who are expected to read and understand the questions and write down the reply in the space meant for the purpose in the questionnaire itself.

c) Both A & B

d) None of These

(ii) Select the correct statement about the demerits associated with questionnaires based data collections

a)

The control over questionnaire may be lost once it is sent.

b) There is also the possibility of ambiguous replies or omission of replies altogether to certain questions; interpretation of omissions is difficult.

c) It is difficult to know whether willing respondents are truly representative

d) All of these

(iii) identify the Essentials of a good questionnaire

a) To be successful, questionnaire should be comparatively short and simple i.e., the size of the questionnaire should be kept to the minimum.

b) Questions should proceed in logical sequence moving from easy to more difficult questions. Personal and intimate questions should be left to the end.

c) Questions may be dichotomous (yes or no answers), multiple choice (alternative answers listed) or open-ended.

d) All of these

(iv) Identify the incorrect statement about research method

a) Defined as the procedure or technique applied by the researcher to undertake research

b) It is nothing but the behavior or tool, employed in selecting and building research technique

- c) It is not concerned about the carrying out experiment, test, surveys, interviews, etc.
- (v) Select the correct statement about questionnaire
- a) logical sequence moving from easy to more difficult questions.
- b) Technical terms and vague expressions capable of different interpretations should be avoided in a questionnaire
- c) Questions may be dichotomous (yes or no answers), multiple choice (alternative answers listed) or open-ended
- d) All of these
- (vi) Identify the incorrect method of data collection
- a) Through Question
- b) Through Interview
- c) Through Schedule
- d) None of These
- (vii) Identify the key element of ethics in research
- a) Honesty
- b) Confidentiality
- c) Openness
- d) All of these
- (viii) Select the incorrect option for hypothesis
- a) Testable statement predicting the relationship between variables
- b) It can be Null or Alternative
- c) It acts as a starting point, guiding researchers to examine whether their predictions hold true based on collected data.
- d) None of These
- (ix) Identify the key points, should be kept in mind while collecting the data through questionnaire
- a) Question should be easy to understand
- b) Do not use technical terms
- c) Should be easy to difficult level ensured
- d) All of these
- (x) Select the key points must be kept in mind while choosing secondary data in research
- a) Reliability of data
- b) Adequacy of data
- c) Suitability of data
- d) All of these
- (xi) Identify the the parameter used to check the suitability of secondary data
- a) Who collected the data
- b) What were the sources of data
- c) Were they collected by using proper methods
- d) All of these
- (xii) Choose the correct statement about selection of method for data collection in research
- a) Scope of research
- b) Availability of funds
- c) Availability of time
- d) All of these
- (xiii) Select the correct statement
- a) Availability of funds for the research project determines to a large extent the method to be used for the collection of data.
- b) When funds at the disposal of the researcher are very limited, he will have to select a comparatively cheaper method
- c) Finance, in fact, is not a big constraint in practice and the researcher has to act within this limitation
- d) All of these
- (xiv) Choose the correct statement
- a) The questionnaire method is likely to be very slow since many respondents do not return the questionnaire in time despite Statement A: several reminders, but in case of schedules the information is collected well in time as they are filled in by enumerators.
- b) Statement B: Personal contact is generally not possible in case of the questionnaire method as questionnaires are sent to respondents by post who also in turn return the same by post. But in case of schedules direct personal contact is established with respondents.
- c) Both the statement is true
- d) Statement A is correct while B is true
- (xv) Select the method of data collction in which Non-response is usually high

- a) Questionnaire
- c) Interview

- b) Observation
- d) Schedule

Group-B

(Short Answer Type Questions)

3 x 5=15

- 2. Define the term Research Methodology. (3)
- 3. Explain Fundamental Research.. (3)
- 4. Illustrate the term "Analytical Research". (3)
- 5. Explain Secondary data in research (3)
- 6. Explain applied Research. (3)

OR

Differentiate between Applied versus Fundamental Research (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

- 7. Write a notes on ethics in research (5)
- 8. Explain about diagnostic research. (5)
- 9. Explain the significance of ethical considerations in research. How can researchers ensure ethical integrity in their studies? (5)
- 10. Explain the concept of correlation analysis. How can it help researchers understand the relationship between two variables? (5)
- 11. Explain the concept of hypothesis testing in data analysis. How does it help researchers draw conclusions about their data? (5)
- 12. Explain different type of research. (5)

OR

Write a detailed notes on consent form. (5)

LIBRARY
Brainware University
Barasat, Kolkata -700125