



# BRAINWARE UNIVERSITY

**Term End Examination 2022**

**Programme – M.Tech.-RA-2022**

**Course Name – Research Methodology and IPR**

**Course Code - HSMC-MIRA101**

**( Semester I )**

**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) "One of the methods of logical reasoning process" is called
  - a) Induction
  - b) Deduction
  - c) Research
  - d) Experiment
- (ii) This sampling involves grouping the population and then selecting the groups rather than individual elements for inclusion in the sample.
  - a) Chance sampling
  - b) Cluster sampling
  - c) Sequential sampling
  - d) Systematic sampling
- (iii) "Reasoning from general to particular "is called
  - a) Induction
  - b) deduction
  - c) Observation
  - d) experience
- (iv) A researcher is interested in studying the prospects of a particular political party in an urban area. So, what tool should he prefer for the study?
  - a) Rating Scale
  - b) Interview
  - c) Questionnaire
  - d) Schedule
- (v) Research studies to gain familiarity with a phenomenon or to achieve new insights into it can be termed as
  - a) Exploratory research study
  - b) Formulative research study
  - c) Answers A and B
  - d) None of above
- (vi) Research studies to portray accurately the characteristics of a particular individual, situation or a group can be known as
  - a) Exploratory research study
  - b) Formulative research study
  - c) Answers A and B
  - d) Descriptive research study
- (vii) Research studies to determine the frequency with which something occurs or with which it is associated with something else can be known as
  - a) Exploratory study
  - b) Formulative research study

- c) Diagnostic research study  
 (viii) How to judge the depth of any research?  
 a) By research title  
 c) By research objectives  
 (ix) Which of the following is face to face method of data collection?  
 a) Questionnaires  
 c) Telephone interviews  
 (x) What is the major attribute of Correlation Analysis?  
 a) Association among variables  
 c) Regression among variables  
 (xi) A research intends to explore the result of possible factors for the organization of effective mid-day meal interventions. Which research method will be most appropriate for this study?  
 a) Descriptive survey method  
 c) Ex-post facto method  
 (xii) What is the name of the conceptual framework in which the research is carried out?  
 a) Research hypothesis  
 c) Research paradigm  
 (xiii) Action-research can be understood as \_\_\_\_\_  
 a) A longitudinal research  
 c) A kind of research being carried out to solve a specific problem  
 (xiv) What is the use of Factorial Analysis?  
 a) For setting the hypotheses  
 c) To understand the relationship between two variables  
 (xv) Non-probability samples are drawn based  
 a) Convenience sampling  
 c) Quota sampling
- d) Descriptive research study  
 b) By research duration  
 d) By total expenditure on research  
 b) Interview schedules  
 d) All mentioned here  
 b) Difference among variables  
 d) Variations among variables  
 b) Historical method  
 d) Experimental method  
 b) Synopsis of Research  
 d) Research design  
 b) An applied research  
 d) All of the above  
 b) To understand the difference between two variables  
 d) To understand the difference between various variables  
 b) Judgement sampling  
 d) All mentioned here

**Group-B**

(Short Answer Type Questions)

3 x 5=15

2. Is it ethical to have a published journal article reproduced in a book chapter? What are the implications? (3)  
 3. How can you rebuild trust in the Peer Review process? Should we advocate criminal prosecution of abuse of the peer review process? (3)  
 4. Does a non-randomized trial need to be registered? (3)  
 5. The issue of copyrights and intellectual property in academia- justify. (3)  
 6. Ethics in Publishing Process is appropriate– give your opinion. (3)

**OR**

- Would it be a better initiative to constitute a collective of researchers to publicly and collectively denounce predatory publishing? (3)

**Group-C**

(Long Answer Type Questions)

5 x 6=30

7. Is the Cloud a safe environment to store confidential data? (5)  
 8. Can economic policy conducted in accordance with the principles of ethics and high moral standards be the basis for the country's economic success? (5)

- 9. What is meant by privacy and confidentiality (5)
- 10. How can moral behavior be taught? (5)
- 11. Is it time we shift emphasis from technological solutions to climate change & focus on the 'Human Dimension'? (5)
- 12. What privacy laws must I follow? (5)

**OR**

What are minimum aspects of the publication ethics? (5)

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