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H-4443C

M.Sc. (Semester-IV) Examination, July 2022

(Research Methodology)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Passing Marks : 25

Note : This question paper is divided into four sections.
Attempt questions of all four sections as per direction.
Distribution of marks is given in each section.

SECTION-A

(Objective Type Questions)

Note : Attempt **any ten** questions. Each question carries **1** mark. [10x1=10]

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[P.T.O.]

1. Fill in the blanks :

- (i) In_____research method manipulation of independent variable and control of extraneous variables are neither possible nor desirable.
- (ii) _____section of Research proposal describes the purpose with a full statement of research.
- (iii) A good research proposal will always focus on_____the research objectives.
- (iv) A formal statement of research questionier generally is made after the_____.
- (v) For the study of any population, sampling is conducted because it is_____.
- (vi) The 'Tippets' table is used for_____sampling.

Multiple Choice Questions :

- (vii) Integrity and transparency are the fundamentals of :
 - (a) Issues in business
 - (b) Requirements in research

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- (c) Ethical principles in research
- (d) Methodologies in research
- (viii) Which one of the following is not feature of qualitative research ?
 - (a) Avoid positivist assumption and data analysis
 - (b) Collect data in numerical form
 - (c) Use the empirical method of data analysis
 - (d) Collection of samples in proper way
- (ix) In which type of reporting researches the personalized and contextualized references are permissible ?
 - (a) Survey based research
 - (b) Experimental based research
 - (c) Hypothetical research
 - (d) Ethnographic research

- (x) Plagiarism where the writer change a few words in the original text of another is known as :
 - (a) Direct copying
 - (b) Word switch
 - (c) Paraphrasing
 - (d) All of the above
- (xi) Multiple submission of same work will be treated as plagiarism ?
 - (a) Yes
 - (b) No
 - (c) May be
 - (d) Can't say
- (xii) Which citation style commonly used in science and medical research ?
 - (a) Vancouver Referencing style
 - (b) APA style
 - (c) MLA style
 - (d) Chicago style

SECTION-B

(Very Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **02** marks. (Word limit 25-30 words) [5x2=10]

2. (i) What is basic research ?
- (ii) What is sampling error ?
- (iii) What is short communication ?
- (iv) What is impact factors ?
- (v) Explain Radioactive hazards.
- (vi) Explain standard of Research Journal.
- (vii) Explain secondary data.

SECTION-C

(Short Answer Type Questions)

Note : Attempt **any five** questions. Each question carries **04** marks. (Word limit - 250 words) [5x4=20]

H-4443C/1000 (5) [P.T.O.]

3. (i) Difference between Quantitative and Qualitative Research.
- (ii) Explain Primary data and their importance.
- (iii) Describe Harvard and Vancouver system.
- (iv) Explain 'Review article'.
- (v) What is Survey report ?
- (vi) What is Scientific indexing ?
- (vii) Write about National Information Centre Network in brief.

SECTION-D

(Essay Type Questions)

Note : Attempt **any three** questions. Each question carries **10** marks. (Word limit - 500 words) [3x10=30]

4. (i) Describe importance and characteristics of various sampling techniques.
- (ii) Prepare a research proposal on the basis of requirement of your area, under the following :

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- (a) Title
 - (b) Abstract (One or two paragraphs)
 - (c) Introduction of selected Topic
 - (d) Methodology
 - (e) Ethical consideration
 - (f) Future prospects of propose scheme
- (iii) Describe research ethics and ethical issues in brief with suitable case study.
- (iv) Describe variable and hypothesis in brief.

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