

**Ph. D. IN CHILD DEVELOPMENT
(PHDCD)**

Term-End Examination

December, 2024

RCD–001 : RESEARCH METHODOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : *Question No. 1 is compulsory. Answer any other **three** questions in **600-800** words each.*

1. Write a research proposal based on any contemporary issue concerning development of children. The proposal must include :

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| (a) Title | 5 |
| (b) Introduction {including rationale, research questions, objectives and hypotheses (if applicable)} | 15 |
| (c) Methodology | 15 |
| (d) Data analysis techniques | 5 |

2. (a) Suggest a dataset which can be effectively represented through a bar chart. Depict its tabular form and diagram. 10
- (b) Explain the concept and characteristics of case study method, in the context of child development. 10
3. (a) What is the difference between qualitative and quantitative research ? 10
- (b) Suggest one topic which is appropriate for study using qualitative research method and one topic with quantitative research method. Give justification for the same. 10
4. (a) What do you understand by primary and secondary data ? 4
- (b) Briefly discuss any *two* probability and *two* non-probability sampling techniques. 16
5. (a) Explain the terms 'reliability' and 'validity'. 4
- (b) Discuss any *two* types of reliability and *two* types of validity. 16

6. Explain *one* type of each of the following with examples :
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|----------------------------|----|
| (a) Descriptive Statistics | 10 |
| (b) Inferential Statistics | 10 |
7. Write short notes on any *four* of the following in **150-200** words each : 5 each
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| (a) Determining sample size | |
| (b) Any <i>two</i> data analysis softwares | |
| (c) Factor analysis | |
| (d) Data triangulation | |
| (e) Online survey tools | |

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