

जगद्गुरु रामभद्राचार्य दिव्यांग विश्वविद्यालय चित्रकूट, उ०प्र०

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Chitrakoot, U.P



पी-एच०डी० पाठ्यक्रम
अनिवार्य प्रश्नपत्र

(Core Paper)

शोध निदेशालय

सत्र : 2021-22

Ph.D Course Work 2021-22

Compulsory Paper

Research Methodology, Ethics and Computer Application

Paper-I (a)

Research Methodology, Ethics

Unit-I Introduction

Meaning, Concept, Nature, Steps, Types and Characteristic of research.
Scientific Inquiry

Philosophical and Sociological foundations of research, Interdisciplinary approach and its implications in various research area.

Unit-II Method of Research

Qualitative and quantitative methods of research like Historical, case study. Ethnography, Expose facto, documentary and content analysis. Survey (Normative, descriptive, evaluative etc) field and laboratory experimental studies.

Unit-III Development of research proposal :

Research proposal and its elements.

Formulation of research problem- criteria of sources and definition.

Development of objectives and characteristics of objectives.

Hypothesis (if applicable) and other applications.

Styles of referencing bibliography, citation indexing

Unit-IV Research ethics

-Research and publication ethics : Definition, introduction and importance.

-Ethics with respect to science and research.

-Intellectual honesty and research integrity.

- Scientific misconducts: Falsification, Fabrication and Plagiarism.

References

1. Kothari, C.K (2004), Research Methodology- Methods and Techniques (New Age International, New Delhi)
2. Best, J.W (1995) and kahen J.V. Research in Education. Prentice Hall of India Pvt. Ltd, New Delhi.
3. Jain, Satish : (1990) "Introduction to computer science and basic programming."BPB Publications, New Delhi. 1990.
4. P. Chaddah,(2018) Ethics in competitive Reseach: Do not get scooped; do not get plagiarisd, ISBN-978-9387450865
5. Research Methods in Applied Setting; An integrated Approach to Design and Analysis by Inffrity. A Gliner; Geroge A Morge n Laworence Erlbarum Associates, 2000. Jeffray

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Computer Application

Unit-I_ Basic Knowledge of Computer:

1.1 Definition of computer, blockdiagram of computers, classification of computers,

1.2 Number Systems and binary algebra role of computer in education and research,

1.3 component of computer hardware - CPU, Monitor, Keyboard, mouse, etc.,

1.4 Software—meaning of OS (operation system).

1.5 OS in modern trends, functions of an OS.

Unit II: Computer Application for Research

2.1 Word processing: Word Introduction of word processor, creating & saving documents, saving word files in a valid path folder, header and footer, foot notes,

2.2 Data processing: Introduction to excel, need of spreadsheet, editing worksheet, using links, applying different views, types of functions

2.3 Graphical processing, making charts of data, inserting pictures and objects in the excel sheet and word file.

2.4 Power Point — introduction of slides, speaker notes, media clips, graphs, pictures, web pages, hyperlink, adding different kind slides, working with Power Point, inserting text objects, formatting text.

2.5 Use of web tools for research, Use of graphical software, Use of multimedia tools , Internet — introduction, evaluating internet resources: authority, accuracy and objectivity. Brief note on e-books and virtual library, UGC info net, what is Plagiarism and how to avoid it?

References

- Rajaram V. (1996), Fundamentals of computers, Prentice Hall of India, New Delhi.
- Sanders D.H. (1981), Computer Today, McGraw Hill, New York.
- Sinha P.K. (1992), computer Fundamentals, BPB Publication, New Delhi
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