

2023-24

Ph.D. Entrance Exam Syllabus-2023-24

Centre for Studies on Indigenous Knowledge
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SECTION-1: RESEARCH METHODOLOGY

I. Scientific Methods of Research

- **Definition of Scientific Research:** Assumptions, Operations and Aims of Scientific Research.
- **Research Processes:** Conceptual, Empirical and Analytical

II. Research Design

- **Observational Studies:** Descriptive, explanatory, and exploratory, monitoring and evaluative studies.
- **Experimental Studies:** Pre experimental design, True experimental Design, Pre-test & post-test designs, Follow-up or longitudinal design, Panel Studies.
- Action research studies.
- Types and Characteristics of Hypothesis/Research Questions

III. Methods of Data Collection

- **Quantitative Methods:** Checklist schedules, questionnaire (mail method, interviews through telephone, internet and computers), interview schedule (face-to-face interviews or personal interviews), Cross cultural variability and vignettes.
- **Questionnaire/interview schedule design and construction:** Principles of constructing a questionnaire/ interview schedule, Types of questions, framing of questions (simple, delicate, personal matter), sequencing of sections and questions and Interview techniques.
- **Qualitative Method:** Walk through and observation (participatory and non-participatory), Social mapping, key informant interview, In-depth interviews, Focus group discussion, content analysis, free listing, pile sorting, projective techniques, mechanical devices (camera, tape recorder), mystery client technique.

IV. Sampling

- Complete enumeration versus sampling.
- Concept of sampling unit, sampling frame and sampling design.
- Sampling methods: Simple random sampling, stratified sampling, systematic sampling, cluster sampling, and purposive sampling.

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- Sampling and non-sampling errors, calculation of weights, sample size determination

V. Research Tools and Techniques:

- Preparation of Interview Guide; Preparation of Questionnaire and Schedules; Preparation of the Life History, Case Study
- Research ethics; At the level of respondent, community, organization and presentation of results
- Fieldwork – interaction with community and respondent, Mapping and Listing, manual writing, pilot study, pre testing of questionnaire. Editing, coding, data entry, data cleaning, processing & analysis.
- Problems in Data Collection
- Introduction, Review of Literature, Systematic Review, Objectives and conceptual framework, Sources of data, Methods of data collection and analysis, Summary, conclusions and recommendations.
- Footnotes, References/Bibliography, Appendices and Glossary

SECTION 2: INDIGENOUS KNOWLEDGE SYSTEM

I. Introduction to Indigenous Knowledge Systems

- Definition, Characteristics, Structure of Indigenous communities in India
- Scope and Important of Indigenous Knowledge system in Indian context
- Indigenous Culture and Language, Distribution of Indigenous Cultures in India
- Distinction between indigenous and modern knowledge systems.

II. Contemporary Relevance, Challenges and Preservation

- Contributions to healthcare, agriculture, and biodiversity conservation
- Potential for collaboration between indigenous and scientific knowledge systems
- Threats to indigenous knowledge systems (e.g., cultural erosion, globalization)
- Efforts for the preservation and promotion of indigenous knowledge
- Intellectual property rights and ethical considerations

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III. Indigenous Health and Healing

- Indigenous and traditional concept of **health** and well-being, disease and Illness and cure
- Traditional medicine practitioner
- Ethno botany and Medicinal Plants
- Ayurveda, Unani, Siddha, Folk Medicine
- Ethno-medicinal Practices ~~and~~
- Ethno-Pharmacology

IV. Indigenous Technologies

- Traditional Agricultural Technology
- Traditional water management systems
- Role of indigenous knowledge in environmental conservation and sustainable development

V. Indigenous Intangible Heritage

- Indigenous Fair and Festival
- Dance Forms, Songs Dance and Drama
- Oral Traditions: myth, rituals, believes system, food recipe, tales, and proverbs.

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