



MK UNIVERSITY

– PATAN – GUJARAT –

ESTABLISHED BY THE GUJARAT GOVT.

RECOGNIZED BY UGC UNDER SECTION 2(f) OF UGC ACT,1956

Pre-PhD course work Assignment guidelines

Objective

The internal assignment is designed to:

- Assess the scholar's conceptual clarity and subject knowledge
- Evaluate analytical and critical thinking abilities
- Encourage independent learning and research orientation
- Prepare scholars for doctoral-level academic writing

General Instructions:

- The assignment carry 30 maximum marks.
- The assignment shall consist of 10 descriptive questions.
- Scholars are required to answer any 5 questions out of 10.
- All questions shall carry equal marks.
- The answers of questions should be descriptive in nature (hand written).
- Candidate should submit detailed write-ups on each of questions.
- Only those candidates will be allowed to appear in course work exam who will submit the assignment on or before the scheduled date.
- Write neatly and systematically.
- Follow all instructions issued by the department/University.
- Use A4 size ruled or plain sheets.
- Maintain proper margins on both sides.

(Cover Page)

Assignment on

Name of Subjects: (tick ✓ for appropriate subject)

- 1. Research Methodology :
- 2. Computer Application :
- 3. Domain Specific :
- 4. Research Publication Ethics :

SUBMITTED TO

DEPARTMENT OF:.....

SCHOOL OF:

MK UNIVERSITY, PATAN, GUJARAT

SUBMITTED BY

NAME OF SCHOLAR:.....

REGISTRATION NO./ENROLMENT NO:.....

Questions for Assignment

Sub:- Research Methodology (Paper-I)

- Q1. Discuss the role of research in the advancement of knowledge and explain its major types.
- Q2. Examine the various sources of literature review and describe tools used for organizing and analyzing literature.
- Q3. Define research hypothesis and evaluate its importance in guiding the research process.
- Q4. Differentiate between exploratory, descriptive, and experimental research designs with suitable examples.
- Q5. Compare interview and questionnaire methods, highlighting their advantages and limitations.
- Q6. Explain statistical tools used in research such as central tendency, ANOVA, t-test, correlation, and regression.
- Q7. Describe the structure of a thesis and outline the important steps involved in thesis writing.
- Q8. Explain the process of writing and publishing a research paper in academic journals.
- Q9. What is data collection? Explain various methods used for collecting data in research.
- Q10. Explain the concept of sampling and discuss different probability and non-probability sampling techniques.

Sub:- Computer Application (Paper-II)

- Q1. Explain how an operating system functions as an interface between hardware and software components.
- Q2. Provide a comparative analysis of Windows, Linux, and macOS in the context of research work.
- Q3. Discuss effective file management practices for organizing and storing large-scale research data.
- Q4..Analyze the elements of effective slide design, including layout, charts, and tables in research presentations.
- Q5.Explain the concept of referencing and citation, and discuss their role in maintaining academic credibility.
- Q6.Describe the advanced tools and features of MS Word and Google Docs that facilitate research writing.
- Q7 .Critically compare Google Scholar, ResearchGate, and Academia.edu as academic networking and research platforms.
- Q8 .Discuss the role of reference management software and explain the key features of Mendeley and EndNote.
- Q9 .How do spreadsheet formulas and functions assist in data handling and statistical analysis?
- Q10. Discuss the importance of digital presentation tools in communicating research findings effectively.

Sub:- Domain Specific Subject (Paper-III)

- Q1. Discuss the importance of conducting an in-depth literature review and explain techniques to identify research gaps.
- Q2. What is a critical analysis of research papers? Describe how landmark studies can be systematically evaluated.
- Q3. Examine the current developments, challenges, and future directions in your field of study.
- Q4. Explain two recent advancements (technologies/theories/methodologies) relevant to your discipline.
- Q5. Describe the process of designing research experiments or models and discuss methods of validating results.
- Q6. Explain how theoretical knowledge in your field can be applied to address real-world problems.
- Q7. Discuss the ethical considerations that must be followed throughout the research process.
- Q8. Explain the components of a research proposal and discuss how research objectives and hypotheses are formulated.
- Q9. Analyze the role of proper referencing, bibliography, and presentation in research communication.
- Q10. Describe the principles and different formats of report writing used in your discipline.

Sub:- Research and publication ethics (Paper-IV)

- Q1. Discuss the concept of philosophy and explain its key areas and relevance to research.
- Q2. Define ethics and academic integrity, and analyze their importance in scholarly work.
- Q3. Explain the functions of COPE and WAME in ensuring ethical publishing practices.
- Q4. What is meant by duplicate publication and salami slicing? Discuss their ethical implications.
- Q5. Analyze conflicts of interest in research and explain how transparency can be maintained.
- Q6. Explain scientific misconduct and critically discuss fabrication, falsification, and plagiarism.
- Q7. Discuss predatory publishing and outline methods to identify and avoid such journals.
- Q8. Explain the importance of intellectual honesty and integrity in academic research.
- Q9. Discuss the significance of publication ethics in ensuring the reliability and credibility of research work.
- Q10. Discuss the concept of authorship in research and highlight common ethical issues and preventive measures.