



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.

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. Describe the importance of research and their types?
- Q2. What are the sources and tools of literature review?
- Q3. What is the hypothesis in research and evaluate the importance of hypothesis in research?
- Q4. Describe the probability and non-probability sampling and their types?
- Q5. Differentiate between exploratory, descriptive and experimental research design?
- Q6. What is the data collection and explain the data collection methods in research?
- Q7. Compare 'Interview' and 'Questionnaire' methods of data collection?
- Q8. Write a short note on central tendency, ANOVA, t-test, correlation & regression in research?
- Q9. Describe the organization of thesis and important steps in thesis writing?
- Q10. Explain how to prepare research papers for journals?

Sub:- Computer Application (Paper-II)

- Q1. Explain the role of operating system in computer hardware and software unit of computer?
- Q2. Write a short note on Windows, Linux and MacOS and their role for academic research and analysis?
- Q3. Describe the file system and folder management strategies in large research data?
- Q4. What is the references and citation in research writing?
- Q5. Describe the advanced MS Word/ Google Docs and their application in research writing?
- Q6. How do formulas and functions support researchers in managing & analyzing data?
- Q7. Describe the role of presentation tools (Power Point/Google Slides) in academic communication & research?
- Q8. Discuss the slide design, layout, chart, tables in preparing presentation of research posters & seminars?
- Q9. Compare Google Scholar, Research Gate and Academia.edu as research support platforms. Describe their advantages, limitation?
- Q10. What are the reference management tools? Explain the features and significance of Mendeley, Endnote in paper writing?

Sub:- Domain Specific Subject (Paper-III)

Q1.Explain the purpose and significance of an advanced literature review in research. Discuss the strategies for identifying research gaps with suitable examples from your discipline.

Q2. What is Critical review of high-impact research papers? Describe the criteria you would use to critically evaluate landmark studies in your research domain.

Q3. Discuss the major current trends, issues, and challenges in your discipline. How do these challenges open new research opportunities?

Q4. Explain any two emerging technologies/methodologies/theories relevant to your domain?

Q5. Describe designing experiments, filed studies or analytical models and how do you validate of results in your domain?

Q6. Describe how domain-specific knowledge can be applied to solve real-world or industry-oriented problems with a suitable example?

Q7. What are ethical guidelines must follow during data collection, analysis and publication?

Q8. Discuss the structure and components of research proposal and explain how research problem, objective and hypothesis are formulated?

Q9.What is the importance of proper citation styles, bibliography, and effective presentation of research findings?

Q10. Explain the types and principles of report writing of your discipline?

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

Q1. Define philosophy and discuss its nature, scope, concepts and branches?

Q2. Describe ethics, academic integrity and explain their relevance in research environment?

Q3. What is scientific misconduct with and explain fabrication, Falsification and plagiarism with suitable examples?

Q4. Define duplicate and overlapping publication, salami slicing?

Q5. What are the conflict of interest in research and publication and how identified and disclosed?

Q6. Discuss authorship and contribution-ship and what are common violation of authorship ethics, how can prevented?

Q7. Explain the COPE and WAVE?

Q8. What are the predatory journals and publishers with explain how recognize the journal is predatory?

Q9.Define the intellectual honesty and research integrity?

Q10. Explain the publication ethics and discuss its importance in maintain quality and credibility of literature?