

**UP115 QUANTITATIVE RESEARCH METHODS****Credits 2 (L=2, S=0, W=0)****INTERNAL ASSESSMENT (TERM WORK)****50 MARKS****UNIVERSITY EXAMINATION****50 MARKS**

**FOCUS:**

- Investigation of Research methods in planning with emphasis on quantitative and qualitative research.

**CONTENTS:**

- Context, need for survey, types of research design, data need for research methods, basic survey methodology, Developing a researchable problem, research questions, Areas of inquiry within an analytical framework, ethics & objectivity survey based research.
- Survey design, different methods of survey, resource inventory for survey and analysis, sample design and selection, questionnaire design, field issues in surveys.
- Survey analysis data processing including coding, categorization and tabulations, data processing. Computer applications in processing, data analysis, research findings and interpretation of results in relation to research question hypothesis.
- Research Report writing.
- Social research as an essential study to planning programmes.
- Research Design, tools & techniques, surveys questionnaire, sampling design.

**METHODS:**

- On-site analysis of case studies using planning text readings Library resources, public records, images, maps and documents of historical records.

**REFERENCES :**

<b>Sr. No.</b>	<b>Title</b>	<b>Author</b>
01	Urban Environments in India	Kamla Kant Dube
02.	Monitoring and Evaluating Development Projects	Viquar Ahmed Michael Bamberger