



शिक्षाशास्त्र विभाग
दीनदयाल उपाध्याय गोरखपुर विश्वविद्यालय, गोरखपुर – 273009
Department of Education
Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur - 273009

Syllabus For Research Entrance Test (Education)
PART-A/I (Methodology of Educational Research)

Content/Syllabus	
I	Introduction to Educational Research <ul style="list-style-type: none">● Meaning and Definition● Sources of Knowledge● Functions of Educational Research● Types of Research Fundamental, Applied and Action Research● Quantitative and Qualitative Research
II	Research Problem <ul style="list-style-type: none">● Meaning and Definition, Sources of Problem● Criteria of Good Research Problem● Identification of Research Problem and Formulation of Research Problem● Delimitations of Problem
III	Review of Related Literature <ul style="list-style-type: none">● Meaning of related literature and its review● Purpose of review of related literature;<ul style="list-style-type: none">(i) Formulation of research problem(ii) Formulation of hypothesis(iii) Discussion of results● Sources of related literature;<ul style="list-style-type: none">(i) Traditional (ii) e-sources● Writing abstract, preparing reference cards, writing review
IV	Methods of Educational Research <ul style="list-style-type: none">● Philosophical Method● Historical Method● Experimental Method● Descriptive Method● Qualitative Methods, Ethnographic Study Conversational and Discourse analysis, phenomenological and Qualitative Case study methods
V	Hypothesis <ul style="list-style-type: none">● Concept and formulation of Hypothesis● Source of Hypothesis● Types of Hypothesis● Directional and Non-Directional Hypothesis● Parameter and Statistics● Reliability of Statistics: Standard error of Mean, Median, Correlation, Proportion
VI	Sampling Methods <ul style="list-style-type: none">● Population and sample● Sampling size and sampling error● Probability sampling: simple random, stratified, cluster, systematic, multi stage sampling● Non probability sampling: Purposive, snowball, incidental
VII	Tools and Techniques of Data Collection <ul style="list-style-type: none">● Types of tools of data collection● Construction, Administration and precautions in use of<ul style="list-style-type: none">(i) Questionnaires,(ii) Rating Scales,(iii) Interview,(iv) Observation,(v) Content Analysis frame,(vi) Sociometry.● Characteristics of good measuring tools.● Chartarization in reporting different type of Research.● Coherence of review, objectives, hypotheses, and data collected● Analysis and Results● Formatting of Report
	Techniques of Data Analysis <ul style="list-style-type: none">● Assumptions and applications of,● Significance of Mean, Percentages and Correlation● Significance of Difference Between two Means (t-test)



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VIII	<ul style="list-style-type: none">● level of Significance● Degree of Freedom● One tailed and Two tailed tests● Type-I and Type-II Error in Decision Making● CR Test● Analysis of Variance- One way and two way classification● Concept, Quality use and Assumptions and applications of, Chi Square Test and Yate's Correction for Continuity.Medium TestSign TestRegression and Prediction
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PART-B/II: Education

Content/Syllabus	
I	Philosophy of Education
II	Psychology of Education
III	Sociology of Education
IV	History of Education
V	Teacher Education