

BANKURA UNIVERSITY
THE DEPARTMENT OF PHILOSOPHY,
Syllabus of RESEARCH ENTRANCE TEST (RET)

THE PATTERN OF EVALUATION FOR RESEARCH ENTRANCE TEST
(RET)

Total mark: 50

Group A: 25 marks

Group B: 25 marks

Group A: Research Methodology: 25 marks

There will be 25 MCQ pattern compulsory Questions of 1mark each that is $25 \times 1=25$.

Group B: Subject Specific (PHILOSOPHY): 25 marks

In this group, there will be 7 Short-note type questions where the examinee will be asked to answer any 5 questions. Each question will carry 5 marks i.e. $5 \times 5=25$ marks.

		Total No. of Questions	No. of Questions to be answered	Marks
Group A	RESEARCH METHODOLOGY	25	25	$25 \times 1=25$
Group B	SUBJECT SPECIFIC (PHILOSOPHY)	7	5	$5 \times 5=25$

Group A: Research Methodology Syllabus (25 Marks)

Unit 1:

Meaning of Research, Objectives of Research, Types of Research, Research Approaches, Significance of Research, and Research Methods versus Methodology, Research and Scientific Method, Research Process

Unit 2:

What is a Research Problem?; Selecting the Problem, Necessity of Defining the Problem, Technique Involved in Defining a Problem

Unit 3:

Meaning of Research Design, Need for Research Design, Important Concepts Relating to Research Design, Different Research Designs

Unit 4:

Sampling Design, Census and Sample Survey, Implications of a Sample Design, Steps in Sampling Design, Criteria of Selecting a Sampling Procedure, Characteristics of a Good Sample Design, Different Types of Sample Designs, How to Select a Random Sample?, Random Sample from an Infinite Universe, Complex Random Sampling Designs

Unit 5:

Measurement and Scaling Techniques, Measurement in Research, Measurement Scales, Sources of Error in Measurement, Tests of Sound Measurement, Technique of Developing Measurement Tools, Scaling, Meaning of Scaling, Scale Classification Bases, Important Scaling Techniques, Scale Construction Techniques

Unit 6:

Methods of Data Collection, Collection of Primary Data, Observation Method, Interview Method, Collection of Data through Questionnaires, Collection of Data through Schedules, Difference between Questionnaires and Schedules, Some Other Methods of Data Collection, Collection of Secondary Data, Selection of Appropriate Method for Data Collection, Case Study Method, Guidelines for Constructing Questionnaire/Schedule, Guidelines for Successful Interviewing, Difference between Survey and Experiment

Unit 7:

Processing and Analysis of Data, Processing Operations, Some Problems in Processing, Elements/Types of Analysis, Statistics in Research

Unit 8:

Sampling Fundamentals, Need for Sampling, Some Fundamental Definitions, Important Sampling Distributions, Central Limit Theorem, Sampling Theory, Sandler's A-test, Concept of Standard Error, Estimation, Estimating the Population Mean (μ), Estimating Population Proportion, Sample Size and its Determination, Determination of Sample Size through the Approach, Based on Precision Rate and Confidence Level, Determination of Sample Size through the Approach, Based on Bayesian Statistics

Unit 9:

What is a Hypothesis? Basic Concepts Concerning Testing of Hypotheses ,Procedure for Hypothesis Testing, Flow Diagram for Hypothesis Testing, Measuring the Power of a Hypothesis Test, Tests of Hypotheses, Important Parametric Tests, Hypothesis Testing of Means, Hypothesis Testing for Differences between Means, Hypothesis Testing for Comparing Two Related Samples, Hypothesis Testing of Proportions, Hypothesis Testing for Difference between Proportions, Hypothesis Testing for Comparing a Variance to Some Hypothesized Population Variance, Testing the Equality of Variances of Two Normal Populations ,Hypothesis Testing of Correlation Coefficients, Limitations of the Tests of Hypotheses

Unit 10:

Analysis of Variance and Covariance, Analysis of Variance (ANOVA),What is ANOVA? The Basic Principle of ANOVA, ANOVA Technique, Setting up Analysis of Variance Table, Short-cut Method for One-way ANOVA, Coding Method, Two-way ANOVA, ANOVA in Latin-Square Design, Analysis of Co-variance (ANOCOVA), ANOCOVA Technique, Assumptions in ANOCOVA

Unit 11:

Interpretation and Report Writing, writing References, writing bibliography etc., The Computer: It's Role in Research

Group B: Subject Specific Syllabus (25 Marks)

As per UGC-NET curriculum