

Tribhuvan University
Institute of Engineering

Syllabus for PhD Entrance Exam- 2075

Full Marks: 50

Time: 1.5 hrs

1. Basic Statistics (15x1=15objective questions)	Marks
1.1 Data Collection, Types of data, Frequency distribution, Sampling	(2)
1.2 Measures of Central Tendency (mean, median, mode)	(3)
1.3 Measures of Dispersion (Range, Mean deviation, Standard deviation, Quartiles, Percentiles), Variance and Coefficient of Variance	(6)
1.4 Correlation, Correlation coefficient and properties, Regression and regression equation	(4)
2. Research Methodology (5 to 7 subjective questions)	(35)
2.1 Concept of scientific research, Types of research, Research process	
2.2 Quantitative and Qualitative research	
2.3 Title, Author address, Abstract, Key words and conclusion of research paper	
2.4 Research proposal, Synopsis, Literature review	
2.5 Report writing, Paper writing, Components of Thesis, Referencing	
