

SCIENTIFIC SUPERVISOR (ERGONOMICS AND TRAINING)

Sl No.	Topics	No. of Questions
1.	Basic Psychological Processes Sensation, Perception, Attention, Memory, Learning and Problem Solving, Emotion and Motivation, Nature of Human Abilities, Intelligence, Aptitude and Interest	6 to 8
2.	Bio-Physiological Processes Central, Peripheral and Autonomic Nervous Systems, Localization of Brain Functions, Hemispheric Specificity, Nerve Impulse Conduction, Receptor System, Endocrine System (Role in Physical Growth, Emotional Activities and Personality), Sleep and Arousal	7 to 8
3.	Psychology of Personality Concept of Personality, Development and Growth of Personality, Theories of Personality, Techniques of Measurement, Interpretation and Prediction	6 to 8
4.	Research Methodology Research Methods, Research Design, Hypothesis, Sampling Techniques, Methods of Data Collection and Analysis, Interpretation of Data and Report Writing	6 to 8
5.	Test Construction Definition of Psychological Tests, Types of Tests, Construction and Standardization of Psychological Tests, Estimation of Reliability and Validity, Development of Norms	6 to 8
6.	Statistical Method in Psychology Scale of Measurement, Measures of Central Tendency and Variability, Standard Scores, Normalized Standard Score Distribution, Percentile Ranks, Normal Distribution, Areas Under Normal Curve, Significance of Differences, Correlation and Regression, Analysis of Variance, Hypothesis Testing, Reliability and Validity of Measurement, Test Scales and Norms	6 to 8
7.	Applied Psychology Individual Differences and Measurement, Assessment of Personality, Psychological Disorders and Mental Health, Attitude, Psychology in Industry and Organization, Psychology in Clinical Settings	7 to 8
Total		50