

Name of Faculty	:	Faculty of Humanities & Social Science
Name of Program	:	Master of Arts - Psychology
Course Code	:	2MAP04
Course Title	:	Psychometrics - Theory and Practical
Type of Course	:	Professional Core (PC)
Year of Introduction	:	2023-24

Course Objective	:	To develop an understanding of the basic principles of test construction and theory. To understand, history of psychological testing, principles and concepts used in psychometric assessment. To understand method of applications of psychological testing in educational, clinical and employment settings. To enable understanding of psychometric statistics and its application in scoring and scores interpretation. To provide basic skills pertaining to psychological assessment and report preparation. To offer hands-on learning experience and training about psychological testing.
Course Outcomes	:	At the end of this course, students will be able to: CO1 Will have sound knowledge about psychometric tool construction CO2 Will demonstrate awareness of the ethical and legal issues involved in the assessment process CO3 Acquiring knowledge to effectively evaluate the appropriateness and quality of psychological tests and their psychometric strengths and weaknesses CO4 Develop knowledge about the application of tests in a variety of settings CO5 Will develop knowledge about the steps in test construction and test standardization

Teaching and Examination Scheme

Teaching Scheme (Contact Hours)			Credits	Examination Marks				
				Theory Marks		Practical Marks		Total Marks
L	T	P	C	SEE	CIA	SEE	CIA	
4	0	0	4	70	30	0	0	100

Legends: L-Lecture; T-Tutorial/Teacher Guided Theory Practice; P – Practical, C – Credit, SEE – Semester End Examination, CIA - Continuous Internal Assessment (It consists of Assignments/Seminars/Presentations/MCQ Tests, etc.)

Course Content

Unit No.	Topics	Teaching Hours	Weightage %	Mapping with COs
1	Nature and Scope of Psychological Assessment Definition, uses, and characteristics of psychological tests; Ethical issues and bias in testing; Meaning and difference between psychological and physical properties of scales and measures; Levels of measurement, Likert scale; uses of scales.	5	17	CO1
2	Types & Applications of Psychological Tests Types of tests. Individual tests, tests for special populations, group testing; self-report, projective testing and behavioural measures; speed and power tests, verbal, nonverbal and performance tests; culture fair and culture free tests; Using tests in various settings like Educational, occupational, clinical, counselling and guidance	10	33	CO1 CO2
3	Test Construction Item Construction, Item Analysis, develop test administration, Norms, Scoring and Interpretation of Tests; Tester's Bias and Extraneous Factors.	5	17	CO3
4	Psychometric Evaluation and Standardization of Tests Reliability Definition, The correlation coefficient, Statistical Significance, Reliability Coefficient and Types of Reliability, Reliability of speeded test, standard error of measurement reliability applied to mastery testing and cutoff scores. Validity Definition, Evolving Concepts of test validity, Content-description procedures, Criterion-prediction procedures, construct identification procedures, Overview and Integration.	10	33	CO3 CO4 CO5

Suggested Distribution of Theory Marks Using Bloom's Taxonomy						
Level	Remembrance	Understanding	Application	Analyse	Evaluate	Create
Weightage	25	25	25	-	25	-

NOTE: This specification table shall be treated as a general guideline for the students and the teachers. The actual distribution of marks in the question paper may vary slightly from above table.

List of Practicum

Sr. No.	Name of Practicums	Hours
1	questionnaire for a psychological construct	12
2	Intelligence test related to Educational setting.	12
3	Aptitude Test related to Educational setting.	12
4	Personality testing in educational, clinical and organizational setting.	12
5	Projective Test to clinical setting	12

Reference Books

Sr. No.	Name of Reference Books
1	Anastasi, A. & Urbina, S. (1997). Psychological testing. N.D.: Pearson Education.
2	Aiken, L. R., & Groth-Marnet, G. (2009). Psychological testing and assessment (12 th Ed.) NewDelhi: Pearson Education.
3	Gregory, R. J. (2011). Psychological testing: History, principles, and applications (6 th edition). NewDelhi: Pearson Education.
4	Kaplan, R.M.,& Saccuzzo, D. P. (2012). Psychological testing: Principles, applications and issues(8 th ed.). New Delhi: Cengage.
5	Murphy, K.R.& Davidsofer, C. O. (2005). Psychological testing: Principles and applications (6 th Ed.). NJ: Pearson Education