SES's L.S. RAHEJA COLLEGE OF ARTS and COMMERCE (AUTONOMOUS)

BOARD OF STUDIES: Psychology
PROGRAMME: MA Psychology (with Counselling Specialization)
SEMESTER: II
NOMENCLATURE OF THE COURSE: PSYCHOMETRICS
NEP Vertical: MAJOR
Credit: 4

(As Per Choice Based Credit System (under NEP 2020) with effect from the academic year 2025-26)

Programme:	**MA Psychology (with Counselling Specialization)**
Nomenclature of the Course	**Psychometrics**
Course Code	**PGMACOIIMJ226**
Total Marks	**100**
Semester:	**II**
Academic year	**2026-27**

LEARNING OBJECTIVES: This paper aims to develop an advanced understanding of psychological measurement, test construction, and the application of psychometric tools across various settings. It also aims to enhance students' ability to critically evaluate and utilize psychological tests, including emerging technology-based assessment methods.

COURSE OUTCOMES:

1. Analyse theoretical foundations of psychological measurement, including classical and modern test theories, to understand test development processes. Critically evaluate issues of reliability, validity, norms, and ethical considerations in psychological testing.
2. Analyse and apply principles of test construction, including item development, standardization, and test adaptation. Evaluate the effectiveness and limitations of constructed tools through systematic item analysis and revision.
3. Analyse and evaluate the application of psychological tests across educational, clinical, forensic, and organizational settings. Integrate psychometric principles to select and use appropriate assessment tools in diverse contexts.
4. Analyse and evaluate the use of technology in psychometric assessment, including computerized adaptive testing and telepsychology. Formulate informed approaches to incorporating digital tools for effective and ethical psychological assessment.

Unit	Course Content	Andragogy	No of Lectures
Module I	**1. Theoretical-conceptual orientation** 1.1 Measurement in psychology and in the natural sciences 1.2 Measurement theories: classical test theory, modern test theory 1.3 Test construction: item analysis, reliability, validity and norms 1.4 Ethical issues in psychological testing	Interactive lectures, PowerPoint presentations, Hands-on test administration, Case studies Experiential learning activities	**15**
Module II	**2. Test Construction** 2.1 Reliability, Validity and standardization 2.2 Defining test variables and sample 2.3 Item construction and Item Analysis 2.4 Test revision and test adaptation	Interactive lectures, PowerPoint presentations, Hands-on test administration, Case studies Experiential learning activities	**15**
Module III	**3. Application of Psychological Tests**	Interactive	**15**

	3.1 Education and counselling 3.2 Clinical, Forensic, Diagnostic application 3.3 Occupational / Organizational settings, Consumer behaviour 3.4 The use of technology in Psychological Assessment	lectures, PowerPoint presentations, Hands-on test administration, Case studies Experiential learning activities	
Module IV	**4. Use of Technology in Psychometric Assessment** 4.1 Computerized adaptive testing (CAT) 4.2 Telepsychology and remote assessment 4.3 Mobile applications for assessment and monitoring	Interactive lectures, PowerPoint presentations, Hands-on test administration, Case studies Experiential learning activities	**15**

SUGGESTED READINGS

1. Anastasi, A. & Urbina, S. (2002). Psychological testing. New Delhi: Pearson Education Asia. Cohen, R.J., & Swerdlik, M.E. (2018). Psychological testing and assessment:
2. An introduction to tests and measurement (9th Ed.). New York: McGraw- Hill.
3. Gary Groth-Marnat (2016) Handbook of Psychological Assessment (6th Ed), John Wiley & Sons, Inc. Gregory, R. J. (2015). Psychological testing: History, principles, and applications (7th Ed). Pearson.
4. Irving B. Weiner, Roger L. Greene (2017) Handbook of Personality Assessment (2nd ed)John Wiley & Sons, Inc.
5. Kaplan, R.M. and Saccuzzo, D.P. (2018). Psychological Testing: Principles, Applications, and Issues (9th Ed.) Wadsworth, Cengage.
6. Kline, P. (2000). The handbook of psychological testing (2nd Ed). Routledge: Taylor Francis Group London and New York.
7. Kulshrestha, S. P. And Rhimal D. N. (Ed.) Recent advances in Educational and Psychological testing, Jugal Kishore & Co., 1984.
8. Murphy, K.R., & Davidshofer, C.O. (2019). Psychological testing: Principles an application (International Ed.). New Jersey: Prentice Hall.
9. Sharma V, Malhotra S Edi (2011) Clinical Neuropsychology, Harprasad Institute of Behavioural Studies, Agra India
10. Singh, A.K. (1997). Test, measurements, and research methods in behavioural sciences. Patna: Bharathi Bhavan Publishers and Distributors.

QUESTION PAPER PATTERN

(A) FOR CONTINUOUS EVALUATION

20 Marks Class Test	(MCQ/QUIZ) ---------- 20 MARKS

(A-1)

(A-1) RUBRICS FOR CONTINUOUS EVALUATION

20 Marks	ASSIGNMENT ---------- 10 MARKS
	VIVA-VOCE ---------- 10 MARKS

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(B) QUESTION PAPER PATTERN FOR SEMESTER END EXAMINATION

60 Marks	Q1. Answer in brief (1/2)-------- 15 marks
	Q2. Answer in brief (1/2)-------- 15 marks
	Q3. Answer in brief (1/2)-------- 15 marks
	Q4. Answer in brief (1/2)-------- 15 marks