SEMESTER-III		CODE: MPY –E314		PAPER TITLE: APPLIED PSYCHOMETRY	
Credit	Time	Internal Assessment	End Semester Examination	Total Marks	
05	03 Hours	20+10=30 Marks	70 Marks	30+70=100 Marks	

LEARNING OUTCOMES:
1. Illustrate steps in developing psychological tests and construct psychological tests following scientific procedures.
2. Understand theoretical constructs relevant to psychological testing
3. Evaluate psychometric properties of a psychological test based on sound scientific reasoning
4. Explain applicability of psychological tests in various settings for evaluating human attributes and problems

UNIT-I	Foundations of Psychometry	• Basics of measurement theory, • Errors in measurement, • speed vs. power tests • criterion of parallel tests, • nature of Psychological testing, • ethical issues in Psychological testing.
UNIT-II	Test Construction	• Meaning of a test, classification, characteristics of a good test • general steps of test construction • Item writing - meaning and types of items, general guide lines for item writing, method of scoring. • Item analysis - meaning and purpose, items difficulty, difficulty value and index of discrimination
UNIT-III	Psychological Scaling	• Basic concepts, • Types - Ordinal scale, Nominal scale, Interval scale and Ratio scale.
UNIT-IV	Reliability and Validity	• Reliability - meaning of reliability, • Methods - test retest, internal consistency/split half. • Factor influencing reliability of a test. • Validity - meaning, types - content, criterion, predictive and concurrent, and construct validity. • Factors influencing validity of the test.
UNIT-V	Application of Tests	• Applications of Psychological testing in various settings - education, counseling and guidance, clinical.

Books Recommended:
1. महेश भार्गव (2016) आधुनिक मनोवैज्ञानिक परीक्षण एवं मापन राखी प्रकाशन ISBN-13: 978 -9383398065
2. कुसुम माथुर एवं शाह (2020) मनोवैज्ञानिक परिक्षण श्री विनोद पुस्तक मंदिर
3. AK Singh (2019) Tests, Measurements And Research In Behavioural Sciences Bharti Bhawan ISBN-13: 978-9388704090
4. Narender Kumar Chadha (2009) Applied Psychometry SAGE ISBN-13: 978-8132100782
5. P. V Ramamurti (2013) An Introduction to Psychological Measurements Prentice Hall India Learning Private Limited ISBN-13: 978-8120348813
6. J P Guilford (1989) Psychometric Methods Surjeet Publications ISBN-13: 978-8122902839
7. Jum Nunnally and Ira Bernstein (2017) Psychometric Theory McGraw Hill Education ISBN-13: 978-0071070881

Pattern of Theory Question Paper: The theory paper will consist of two sections. Section-A will be of 30 marks in which 10 short answer type questions will be asked and the student will have choice to answer any five questions, each question will carry 06 marks. The Section-B shall be of 40 marks and will contain 08 questions of long answer type and the student will have a choice to answer any four questions. Each question will carry 10 marks. The examiner will be required to set up a question paper covering the entire syllabus uniformly.