

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted during the academic year 2023 – 2024)

M.Sc., DEGREE EXAMINATION, NOVEMBER 2023
PSYCHOLOGY
FIRST SEMESTER

COURSE : CORE
PAPER : PSYCHOMETRY
SUBJECT CODE : 23PY/PC/PM14
TIME : 3 HOURS

MAX. MARKS: 100

Q. No.	SECTION A (4 x 5 = 20 marks) Answer all the questions not exceeding 300 words	CO	KL
1.	a) What are psychometric tests, and what is their main purpose? (or) b) Explain any three types of reliability.	CO1	K1
2.	a) Briefly, what is the historical context of psychometric tests? (or) b) Explain the key steps in constructing a psychometric test.	CO1	K1
3.	a) Why is scaling important in psychometric test development? (or) b) Describe the process of standardizing tests.	CO1	K2
4.	a) Define norms. (or) b) What are some practical challenges in constructing personality inventories?	CO1	K2
Q. No.	SECTION B (4 x 10 = 40 marks) Answer all the questions not exceeding 700 words	CO	KL
5.	a) Imagine you are designing a school examination. Apply the concept of item arrangement to organize the questions effectively. Explain the rationale behind your arrangement. (or) b) Design a set of multiple-choice items for assessing mood. Explain your item selection.	CO2	K3
6.	a) Illustrate clear item-writing guidelines for a brief personality assessment to measure traits like extroversion and introversion. (or) b) Discuss strategies to minimize response sets in personality inventories.	CO2	K3
7.	a) Justify the need for validity and reliability for a test and analyze factors affecting validity and reliability estimation. (or) b) Analyse the challenges and potential pitfalls associated with factors like test length, sample size, and item format.	CO3	K4

8.	a) Critically assess the item analysis process. (or) b) Analyze the process of selecting items after item analysis. Provide examples of when certain items might need to be rewritten or excluded from a test.	CO3	K4
Q. No.	SECTION C (2 x 20 = 40 marks) Answer any 2 questions not exceeding 1200 words	CO	KL
9.	a) Critically evaluate various item types and propose guidelines for selecting appropriate item types in an aptitude test. b) Develop a detailed plan for creating a new psychometric test designed to assess emotional intelligence in adolescents.	CO4 CO5	K5 K6
10.	a) Evaluate the practical utility and limitations of objective tests in assessing personality and motivation. b) Imagine you are tasked with designing a projective test to assess personality traits. Provide a comprehensive outline of how you would create this test and its administration procedures.	CO4 CO5	K5 K6
11.	a) Evaluate the influence of ability and achievement on objective test scores and formulate strategies to eliminate the impact. b) Hypothesize the impact of item order and arrangement on test performance and reliability.	CO4 CO5	K5 K6
12.	a) Appraise the different scaling methods for construction of attitude tests. b) Develop a framework for constructing a psychometric test that assesses attitudes towards environmental sustainability.	CO4 CO5	K5 K6
