

**CHOICE BASED CREDIT SYSTEM****M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2025****Statistics in Psychology****Duration: 3 Hours****Max Marks: 70****I. Answer any SIX of the following :****(6×2= 12 Marks)**

- What is a Hypothetical Population?
- Define Relative Frequency Probability.
- What is a Deviation Form Regression?
- What is One-way ANOVA?
- What is Goodness of Fit?
- What is Complex Frequency Distribution?
- What is a Repeated Measures Design?
- Write the Non-parametric Test used to compare more than two Medians of different groups.

**II. Answer any TWO of the following :****(2×8= 16 Marks)**

- What are Measures of Central Tendency? Find the Mean and the Median for the following. Data: 21, 28, 22, 23, 26, 24, 20, 28, 23, 29.
- Discuss the counterpart of the Mann-Whitney U-test in the Parametric Test.
- Illustrate One and Two-tail tests & Type-I and Type-II Errors.

**III. Answer the following questions :****(3×14= 42 Marks)**

- a) Illustrate the steps involved in calculating Percentiles in raw data and grouped data.

**(OR)**

- b) Discuss the logic behind Z- score. Compute the Z- score for the following and give your interpretation. Data: 17, 16, 13, 28, 15, 9, 11, 12, 23, 25.

6) a) What is regression? Illustrate building a Regression Model.

(OR)

b) Using ANOVA, determine whether the groups differ significantly at the 5 % level.

Factor A	Factor B	
	No Noise ( $b_1$ )	Noise ( $b_2$ )
Placebo ( $a_1$ )	7	11
	9	13
	11	15
	12	15
	12	17
Valium ( $a_2$ )	11	8
	12	8
	13	10
	15	11

Dependent Variable: Performance Scores

7) a) Discuss the use of computers in statistical analysis and write a note SPSS.

(OR)

b) Compute the Spearman Rank Correlation for the following data.

X	20	18	17	14	18	19	14	17	16	14	15	13
Y	58	48	43	37	31	25	22	18	17	16	8	5

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**CHOICE BASED CREDIT SYSTEM****M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2025****Qualitative Research Methods****Duration: 3 Hours****Max Marks: 70****I. Answer any SIX of the following :****(6×2= 12 Marks)**

- a) Define qualitative research.
- b) How does ethnography differ from a case study?
- c) How do records and documents complement primary data collection?
- d) What is IPA (Interpretative Phenomenological Analysis)?
- e) Compare anonymity and confidentiality in research reports.
- f) Name two key features of ethnographic research.
- g) Compare and contrast primary and secondary data sources.
- h) State the characteristics of a well-structured qualitative research report.

**II. Answer any TWO of the following :****(2×8= 16 Marks)**

- 2) Compare focus group discussions and in-depth interviews in qualitative research.
- 3) Evaluate the impact of research relationships on the credibility of qualitative findings.
- 4) Apply ontological perspectives to study identity formation in adolescence.

**III. Answer the following questions :****(3×14= 42 Marks)**

- 5) a) Evaluate the contribution of positivism and post-positivism in shaping research paradigms.

**(OR)**

- b) Compare constructivist and pragmatist paradigms in qualitative inquiry.
- 6) a) Assess the reliability of interviews as a qualitative data collection tool.

**(OR)**

- b) Design a coding framework for analyzing interview data on workplace burnout.

7) a) Analyse the rhetorical structure of a qualitative research report of your choice.

(OR)

b) Develop a thematic analysis framework for studying online learning experiences.

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**CHOICE BASED CREDIT SYSTEM****M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2025****Psychological Testing****Duration: 3 Hours****Max Marks: 70****I. Answer any SIX of the following :****(6×2= 12 Marks)**

- a) Define Psychological Test.
- b) Mention the requisites of a test manual.
- c) Define Quartile, Decile and Percentile.
- d) Mention the formula for calculating Product Moment Correlation.
- e) List out the factors affecting Validity.
- f) What is Criterion-Referenced Testing?
- g) How to compute Inter-Rater Reliability?
- h) What is Validity?

**II. Answer any TWO of the following :****(2×8= 16 Marks)**

2. Report the intrinsic factors that influence Reliability.
3. Compare Psychological Assessments based on its intended area of assessments.
4. Define construct irrelevant variance and construct under representation.

**III. Answer the following questions :****(3×14= 42 Marks)**

5. a) Analyse the different psychophysical methods adopted in Psychological Testing.

**(OR)**

- b) Describe the process of Item Analysis and explain its major purposes.
6. a) What are Response Sets? Describe in detail different types of Response Sets.

**(OR)**

- b) Explain in detail the steps involved in Split Half Reliability along with the advantages, disadvantages and challenges.
7. a) Elaborate the relationship of Validity and Reliability. How to interpret Validity Coefficient?

**(OR)**

- b) Explain the significance of Psychological Tests and discuss the ethical considerations in Psychological Testing.

## CHOICE BASED CREDIT SYSTEM

M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2023

## Physiological Psychology

Duration: 3 Hours

Max Marks: 70

## I. Answer any SIX of the following :

(6×2= 12 Marks)

- a) What is Neuroplasticity?
- b) What is Behavioural Genetics?
- c) What is Alzheimer's Disease?
- d) List the various chemical correlates involved in wakefulness.
- e) What are the two major affective disorders?
- f) What are Synaptic Vesicles?
- g) State any 4 physiological effects of meditation.
- h) What is SPECT?

## II. Answer any TWO of the following :

(2×8= 16 Marks)

- 2) Elucidate the role of Amygdala in Emotion Regulation.
- 3) List any four roles of Neurotransmitters in Memory.
- 4) Describe the merits & demerits of Genetic Engineering.

## III. Answer the following questions :

(3×14= 42 Marks)

- 5) a) Explain the laws of Mendelian Inheritance.

(OR)

- b) Explain various Neurochemical Methods to Study Brain Behaviour Relationships.
- 6) a) What is Cerebral Lateralization? Explain the chemical and structural correlates of Language.

(OR)

- b) Critically analyze the Theories of Hunger.
- 7) a) List the characteristics & causal factors of Autism.

(OR)

- b) What are the physiological & behavioural effects of some of the commonly abused drugs?

**CHOICE BASED CREDIT SYSTEM****M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2025****Adult Psychopathology****Duration:3 Hours****Max Marks:70****I. Answer any SIX of the following :****(6×2= 12 Marks)**

- a) List the Emotional factors contributing for Mental illness.
- b) Write the main themes of Jealous type delusion.
- c) Delirium versus Dementia, Differentiate.
- d) Write the characteristics of Bulimia Nervosa.
- e) State four bodily symptoms of hypervigilance in Post-Traumatic Stress Disorder.
- f) Draw the diagram to represent a Biopsychosocial Model of Mental illness.
- g) What is a Panic Disorder?
- h) What is a Seizure?

**II. Answer any TWO of the following :****(2×8= 16 Marks)**

- 2) Bring out the difference between Schizophreniform and Brief Psychotic Disorder.
- 3) What are the Psychotic symptoms of Depression? Explain.
- 4) Summarise the clinical features of Dependent Personality Disorder.

**III. Answer the following questions :****(3×14= 42 Marks)**

- 5) a) Discuss the Prevention vs Intervention aspects of Mental Health

(OR)

- b) Differentiate between Schizophrenia, Schizoaffective Disorder, and Schizophreniform Disorder.

- 6) a) Explain the Parkinson type and Huntington type of Dementia.

(OR)

- b) Differentiate between Insomnia and Hyperinsomnia and its causes.

- 7) a) Elaborate on the clinical features and psychosocial causal factors of Obsessive Compulsive Disorder.

(OR)

- b) How is hallucination different from delusion? What are the major symptoms of Schizophrenia?

## CHOICE BASED CREDIT SYSTEM

M.Sc. PSYCHOLOGY SECOND SEMESTER DEGREE EXAMINATION MAY 2025

## SOCIAL PSYCHOLOGY

Duration: 3 Hours

Max Marks: 70

## I. Answer any SIX of the following :

(6×2= 12 Marks)

- a) What is Social Exchange?
- b) Cite the drawbacks of Schema.
- c) Define Self-Serving Bias.
- d) Explain Bystander Effect.
- e) Define Social Neuroscience.
- f) Define Self-Fulfilling Prophecy.
- g) What is Self-Schema?
- h) Define Prejudice.

## II. Answer any TWO of the following :

(2×8= 16 Marks)

2. Define Prejudice. Explain different types of Prejudice.
3. Write a note on Social Learning Theory.
4. Describe Automatic and Controlled Processing with a suitable example

## III. Answer the following questions :

(3×14= 42 Marks)

5. a) Write in detail on the main ideas of Cognition, Behaviour, Emotion and Social Relationships.

(OR)

- b) Critically examine the dimensions of Causal Attribution Theory.
6. a) Write a detailed account on Self-Esteem and Self-Efficacy.

(OR)

- b) Give an account of the factors that motivate Helping Behaviour and explain how Helping Behavior can be enhanced in society.
7. a) Heuristics can be a two edged sword - it can help making sense of the world as well as decrease the accuracy of our judgements. Substantiate.

(OR)

- b) How can Self-Concept be developed?