

2025

PSYCHOLOGY

Paper : CC-1

(Cognitive Psychology)

Full Marks : 40

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer *any four* questions.

1. Discuss about resource allocation theory of attention and divided attention with suitable experimental evidences. 10
 2. Examine the relationship between signal detection theory and the concept of decision bias. 10
 3. Discuss about the nature of visual attention with suitable experimental evidences. 10
 4. Discuss the model of working memory with suitable empirical evidences. 10
 5. Examine the role of imagery in language processing and comprehension. 10
 6. Write short notes on (*any two*) : 5×2
 - (a) Parallel Distributed Processing approach
 - (b) Psycholinguistics
 - (c) Declarative vs Non-declarative memory.
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PSYCHOLOGY

Paper : CC-2

(Quantitative Research Methods in Psychology)

Full Marks : 40

*The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*Answer *any four* questions.

- ✓ 1. (a) Distinguish between one-way and two-way analysis of variance.
- (b) Below is the incomplete Summary of ANOVA. The researcher wants to explore whether gender (A) (male vs. female) and type of feedback (positive vs. negative) (B) significantly influence self-esteem levels among young adults. Complete the ANOVA table and interpret the findings. ✓
- (c) State whether there is any significant interaction effect and the probable explanation of it.
- IV(A) : Gender
 - IV(B) : Feedback Type
 - DV : Self-esteem score
 - Significance Level : 0.05 – $F = 4.13$ (df = 1,34)
 - Significance Level : 0.05 – $F = 4.11$ (df = 1,36)
 - Significance Level : 0.05 – $F = 4.10$ (df = 1,38)

| Source of variation | SS | df | MS | F |
|-----------------------|-----|----|----|---|
| Total Variance | 490 | 39 | | |
| Treatment Variance | 412 | | | |
| A | 265 | 1 | | |
| A | 120 | 1 | | |
| AB | | 1 | | |
| Within group Variance | | | | |

4+4+2

2. How is variance control important in research design? Explain with the help of max-min-con principle. The role of blocking in randomized block design. 3+3+4

Please Turn Over

(3247)

3. What is the difference between standard error of mean and standard error of mean difference. Why null hypothesis is rejected in one tail but not in two tail test in some circumstances? What is the difference between confidence interval and confidence level. 3+3+4
4. What is p value? Why do we prefer a two-tailed test if we are unsure about direction? Define parametric statistical tests. Why mean is preferred over median in parametric statistics? 2+3+3+2
5. Name any two non-parametric tests used for comparing two groups. Why is the Chi-square test considered a non-parametric test? What level of measurement is required for Mann-Whitney U test? When is the Wilcoxon Signed-Rank test used? What is meant by distribution-free test? Write one limitation of non-parametric tests. 2+1+2+1+2+2
6. Write short notes on : 5×2
- (a) Non-parametric statistics
- (b) Placebo control group.

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PSYCHOLOGY

Paper : CC-3

(Qualitative Research Methods in Psychology)

Full Marks : 40

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Answer *any four* questions.

- ✓ 1. Give an account of the journey of qualitative research beginning from the positivist period to the contemporary time. 10
 - ✓ 2. What is meant by participant observation? Critically examine how observation can be used as a method in qualitative research. 3+7
 - ✓ 3. Explain in detail, how sampling is done in qualitative research method. 10
 - ✓ 4. What are the major types of interviews commonly used in qualitative research? Conduct a semi-structured interview guide to explore your participant's understanding of the concept of mental health. 5+5
 5. Write about ethical issues of qualitative research. Which of these are distinctly different from other forms of research methods? Explain. 5+5
 6. Write short notes on *any two* of the following : 5×2
 - (a) Primary versus secondary data
 - (b) Researcher's reflexivity
 - (c) Coding in qualitative research
 - (d) Multiple reality.
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2025

PSYCHOLOGY

(Practical)

Paper : CC-4

Full Marks : 50

The figures in the margin indicate full marks.

Batch - 2

1. Do a suitable study to find out if exposure to anxiety provoking video influence the state anxiety of your participants (N – 2)? 35
Or
 2. Design and conduct an experiment to verify how variation in cognition affects moral decision making. 35
Or
 3. Experimentally determine the influence of framing on consumer decision making. 35
Or
 4. Design and conduct an experiment to determine the effect of competition on a problem solving task (n = 2). 35
 5. Internal Assessment/Laboratory Notebook. 10
 6. Viva voce. 5
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2025

PSYCHOLOGY

(Practical)

Paper : CC-4

Full Marks : 50

The figures in the margin indicate full marks.

Batch - 1

1. Design and conduct an experiment to verify how information overload can influence consumer decision making. 35

Or

 2. Do a suitable study to find out if exposure to aggression provoking video influence the aggression of your participants (N - 2)? 35

Or

 3. Investigate experimentally the effect of cue availability on recall. 35

Or

 4. Experimentally determine the difference between the effects of online and offline exposure on people's willingness to participate in social contacts of varying degrees of closeness with members of a particular social group (gender group, ethnic group, religious group, etc.) (n = 1). 35
 5. Internal Assessment/Laboratory Notebook. 10
 6. Viva voce. 5
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PSYCHOLOGY

(Practical)

Paper : CC-5

Batch : 2

Full Marks : 50

The figures in the margin indicate full marks.

1. (a) 22 years old male with 14 years of education is administered WAIS-IV. His obtained index scores are :
- Verbal Comprehension Index(VCI) = 118
Perceptual Reasoning Index(PRI) = 92
Working Memory Index(WMI) = 88
Processing Speed Index(PSI) = 80
- (i) Comment on the profile pattern.
(ii) Is calculation of Full Scale IQ(FSIQ) meaningful in this case? Justify.
- (b) During WAIS administration, the client shows :
- Slow responding
Requests repetition
Loses focus during Digit Span
- (i) Which subtests are most likely to be affected?
(ii) How will this influence index interpretation?
- (c) Administer any two subtest on any adult participation(n = 1). Narrate the findings. 15+8+12

Or

2. Administer a suitable test for assessing your subjects (two) verbal and non-verbal memory. Interpret your findings, compare and comment on the results. 35

Or

3. Use a suitable test to assess the mental set of your subject and comment on the result. 35
4. Internal Assessment/Laboratory Notebook. 10
5. Viva voce. 5