2025

PSYCHOLOGY — HONOURS

Paper : DSCC-9

(Psychology of Individual Differences)

Full Marks : 75

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

The figures in the margin indicate full marks.

1. Write short notes on ***any five*** of the following (word limit **250** each) : 5×5
   (a) Nature of personality
   (b) Extremes of intelligence
   (c) Relation between creativity and intelligence
   (d) Growth and deficiency needs
   (e) Characteristics of gifted children
   (f) Relationship between aptitude and achievement
   (g) Assessment of Interest
   (h) Types of intelligence.

2. Answer ***any two*** questions (word limit **700** each) :
   (a) What is emotional intelligence? Explain with suitable examples Goleman's theory of emotional intelligence. 10
   (b) Discuss Maslow's approach to personality. 10
   (c) Critically discuss with examples the educational training programmes required for children with intellectual disabilities. 10
   (d) Differentiate between the psychometric and cognitive approaches to intelligence. 10
   (e) Define aptitude. Discuss various methods used for measuring aptitude. 2+8

3. Answer ***any two*** questions (word limit **1000** each) :
   (a) Define intelligence. Explain Sternberg's Triarchic theory of intelligence with suitable examples. 3+12
   (b) Critically discuss the structural theory of mind given by Freud. 15
   (c) Critically evaluate Self-determination theory. 15
   (d) Discuss the relative impact of heredity and environment on individual differences in intelligence. 15
   (e) Critically discuss the social learning theory of personality. 15

2025

PSYCHOLOGY — HONOURS

Paper : DSCC-10

(Developmental Psychology)

Full Marks : 75

The figures in the margin indicate full marks.

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

1. Write short notes on ***any five*** (word limit **300** each) : 5×5

   (a) Differentiate between growth and development

   (b) Unaided observation

   (c) Morality and Self control

   (d) Permissive and dismissive parenting

   (e) Cephalocaudal and proximo-distal development

   (f) Temperament

   (g) Seriation

   (h) Syntax and Semantics.

2. Answer ***any two*** questions (word limit **700** each) : 10×2

   (a) Write about any two research designs that are used extensively in Developmental Psychology.

   (b) Elaborate structure of personality after Freud.

   (c) Elaborate with examples school and media as socio-cultural contexts of human development.

   (d) Mention the factors affecting language development.

   (e) Elaborate Kohlberg's theory of moral development.

3. Answer ***any two*** questions (word limit **1000** each) :

   (a) Mention the characteristics of childhood emotions. Elaborate the development of emotion in infancy. 6+9

   (b) Elaborate the Cognitive Developmental theory of Piaget with criticism. 12+3

   (c) Discuss the different styles of parenting after Baumrind. 15

   (d) What role do peers play in adolescent development? Discuss the psychological significance of play in childhood. 8+7

2025

PSYCHOLOGY — HONOURS

Paper : DSCC-11

(Statistical Methods for Psychological Research - II)

Full Marks : 75

The figures in the margin indicate full marks.

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

1. Write notes on (***any five***) (word limit **250** each) : 5×5

   (a) One tailed and two tailed test

   (b) Standard Error

   (c) Degrees of Freedom

   (d) Advantages of confidence intervals

   (e) Null and Alternative Hypothesis

   (f) Properties of sampling distribution

   (g) Power of a test

   (h) Levels of significance.

2. Answer ***any two*** questions (word limit **700** each) :

   (a) Explain with examples the differences between parametric and non-parametric tests. 10

   (b) Write a note about standard error in hypothesis testing. 10

   (c) Write down the steps of statistical inference. 10

   (d) Write down the difference between t-distribution and normal probability distribution. Write down the assumptions of t-test. 3+7

   (e) The following are observations obtained for two samples :

Sample 1	3.9	4.3	4.7	3.7	4.2	4.1	4.8	5.3	4.9	5.2	5.5
Sample 2	4.8	3.6	4.5	3.9	4.6	4.0	3.8				

   Test the significance of difference between two samples.

   Critical $U_{.02\ (11,\ 7)} = 12$ 10

Please Turn Over

3. Answer *any two* questions (word limit **1000** each) :

(a) Define analysis of variance. Discuss the differences between the t-test and the F-test. Write down the assumptions of F-test. 4+3+8

(b) Define 'u-test'. State the assumptions and uses of u-test. Differentiate between t-test and u-test. 3+8+4

(c) What is Randomized group one-way ANOVA? State its assumptions. Apply one-way ANOVA to find whether or not there is a signifincant difference between the mean tracheal ventilation scores (ml/min) of the following two groups of beetles treated respectively with two different doses of a pesticide. Interpret the results. 2+3+10

Group 1	80	81	75	80	88	70	74	71	84	72
Group 2	70	74	68	67	72	59	61	57	68	54

Critical F values :

$$F_{.05}(1, 18) = 4.41; \; F_{.01}(1, 18) = 8.28$$
$$F_{.05}(1, 19) = 4.38; \; F_{.01}(1, 19) = 8.18$$
$$F_{.05}(1, 20) = 4.35; \; F_{.01}(1, 20) = 8.10$$

(d) The following are paired observations obtained for a sample of eight subjects under two conditions :

Condition A	8	17	12	19	5	6	20	3
Condition B	12	31	17	17	8	14	25	4

Considering normality of the distribution test the significance of difference between two means. 15

Critical values	0.05	0.01
$df = 7$	2.365	3.499
$df = 8$	2.306	3.355
$df = 9$	2.262	3.250

(e) A personality inventory is administered in a private school to 8 boys whose conduct records are exemplary, and to 5 boys whose records are very poor. Data are given below :

Group 1	110	112	95	105	111	97	112	102
Group 2	115	112	109	112	117			

Critical values	0.05	0.01
$df = 11$	2.201	3.106
$df = 12$	2.179	3.055
$df = 13$	2.160	3.012

Is there any significant difference between the groups? 15

2025

PSYCHOLOGY — HONOURS

Paper : DSCC-12

(Research Methodology - II)

Full Marks : 75

The figures in the margin indicate full marks.

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

1. Answer ***any five*** (word limit **250** each) : 5×5

   (a) What is content analysis?

   (b) Explain naturalistic observation briefly.

   (c) Discuss the Fishbowl Draw Method.

   (d) What is research paradigm?

   (e) Write a note on Ethnographic studies.

   (f) Mention any two principles of good research.

   (g) Define and discuss survey method.

   (h) Write a short note on Action research.

2. Answer ***any two*** questions (word limit **700** each) :

   (a) Explain the importance of ethical guidelines in psychological research with suitable illustrations. 10

   (b) Write down the principles and features of discourse analysis in qualitative research. 10

   (c) Describe simple random sampling and stratified sampling with examples. Mention the merits and demerits of both the techniques. 6+4

   (d) What is psychological research? What are the goals of psychological research? 2+8

   (e) Explain the steps involved in conducting a case study in psychological research. 10

3. Write ***any two*** questions (word limit **1000** each) :

   (a) Elaborate on the steps of quantitative research, providing examples. 15

   (b) Explain probability sampling in detail, comparing any two techniques. 15

   (c) What is systematic sampling? How does it differ from cluster sampling? Discuss the relative advantages and disadvantages of systematic sampling. 5+5+5

   (d) Explain the interview technique in detail. 15

   (e) Discuss the different types of observation. Distinguish between participant and non-participant observation. 8+7