PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024

(Third Semester)

Branch - PSYCHOLOGY

PSYCHOLOGICAL STATISTICS - II

IBICHOLOGIC	
Time: Three Hours	Maximum: 50 Marks
SECTION-A Answer ALL ALL questions car	questions
To search or investigate exhaustively is (i) Sample (ii) Census	(III) Research (IV) Statistics
	(iii) Sampling Ellor (iv) Statistical Ellor
3. This expresses the extent to which two (i) Scatter diagram (iii) Correlation	(iv) Regression
 Randomness and independence are the (i) Sampling (ii) Reliability 	(iii) Parametric (iv) Non 1 arametric
5. Administering the different versions of reliability. (i) Experiment (ii) Test-retest	f an assessment to same group is (iii) Inter-Rater (iv) Parallel forms
(-)	
SECTION - I Answer ALL ALL Questions Ca	B (15 Marks) L Questions rry EQUAL Marks (5 x 3 = 15)
6. a) Discuss about errors in statistic OR	
b) Differentiate various types of P	Non-Random Sampling Methods.
7. a) Elaborate on hypothesis and its OR	s types.
b) Explain z-test.	
8. a) What does Y on X mean? OF	
b) Discuss rank order correlation	
9. a) What is goodness of fit?	2
b) Explain non-parametric test.	
10.a) What is the need for reliability	and explain test-retest reliability.
b) Explain face validity.	

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SECTION -C (30 Marks)

Answer ALL questions ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$

11.a) Differentiate various types statistical errors with example.

OR

- b) Discuss cluster sampling.
- 12.a) Discuss Analysis of Variance.

OR

- b) Is there any significant difference between crops from two different fields? Use appropriate null hypothesis at 0.05 level of significance.
- 13.a) Explain scatter diagram in detail.

OR

b) The following are the marks of students in their aptitude and academic tests. Identify the relationship between them.

student	A	В	C	D	E	F	G	H	I	J	K	L
Aptitude Marks	50	54	56	59	60	62	61	65	67	71	71	74
Academic marks	22	25	34	28	26	30	32	30	28	34	36	40

14. a) Discuss Thematic analysis.

OR

b) Investigate whether a stress management programme is effective in reducing Blood Pressure using the sign test.

Participant	1	2	3	4	5	6	7	8	9	10	11	12
BP Before	05	110	118	101	90	95	125	87	96	92	88	120
BP After	100	99	120	95	89	101	125	85	108	100	80	124

15.a) Discuss about Inter-rater reliability.

OR

b) Elaborate concurrent validity.

Z-Z-Z

END