PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2022

(Third Semester)

Branch - APPLIED PSYCHOLOGY

PSYCHOMETRIC METHODS & STATISTICS

ne: Three Hours		Maximum: 50 Marks
Answe	er ALL questions	(5.x.1=5)
important elements? (i) Introspection Method	(ii) Experimental Metho	od
Which law of psychology deals stimuli? (i) Getsalt Law (iii) Binet—Simon Law	with least noticeable differe (ii) Watson Law (iv) Weber-Fechner Law	
What it is called, when more that experimental situation? (i) Situational Crisis (iii) Multisituational Effect	n one independent variable (ii) Interaction (iv) Variable Crisis	works in an
Statistical tests are designed to to (i) alternate hypothesis (iii) composite hypothesis	est which of the following l (ii) statistical hypothesis (iv) null hypothesis	
Answe	er ALL Questions	$(5. \times 3 = 15)$
a Illustrate method of average e OR b State Weber's and Fechner's l	rror. aw.	
OR		
OR		
a State chi-square test and expla	in its significance in statist	ical analysis.
a Explain item analysis in brief. OR		
	ALL questions Which does not assess the intern (i) test-retest reliability (iii) K-R fomulae In which method of study of psy important elements? (i) Introspection Method (iii) Observational Method Which law of psychology deals a stimuli? (i) Getsalt Law (iii) Binet—Simon Law What it is called, when more that experimental situation? (i) Situational Crisis (iii) Multisituational Effect Statistical tests are designed to to alternate hypothesis (iii) composite hypothesis (iii) composite hypothesis a Illustrate method of average elemental situation of Psychology b Justify the importance of Psychology a Illustrate frequency distribution of the state of the sychology b Explain measures of variability a State chi-square test and explain of the sychology b Sketch out Mann-Whitney Uthan Sketch out Mann-Whitney Uthan Explain item analysis in brief.	SECTION-A (5 Marks) Answer ALL questions ALL questions carry EQUAL marks Which does not assess the internal consistency reliability? (i) test-retest reliability (ii) split-half reliability (iii) K-R formulae (iv) Cronbach's alpha In which method of study of psychology, independent and of important elements? (i) Introspection Method (ii) Experimental Method (iii) Observational Method (iv) Case History Method Which law of psychology deals with least noticeable different stimuli? (i) Getsalt Law (ii) Watson Law (iii) Binet – Simon Law (iv) Weber-Fechner Law What it is called, when more than one independent variable experimental situation? (i) Situational Crisis (ii) Interaction (iii) Multisituational Effect (iv) Variable Crisis Statistical tests are designed to test which of the following I (i) alternate hypothesis (ii) statistical hypothesis (iii) composite hypothesis (iv) null hypothesis SECTION - B (15 Marks) Answer ALL Questions Carry EQUAL Marks ALL Questions Carry EQUAL Marks a Illustrate method of average error. OR b State Weber's and Fechner's law. a Explain the nature of Psychological data. OR b Justify the importance of Psychological research. a Illustrate frequency distribution with an example. OR b Explain measures of variability. a State chi-square test and explain its significance in statist OR b Sketch out Mann-Whitney U test with an example. Explain item analysis in brief. OR

19PSP19 Cont...

SECTION -C (30 Marks)

Answer ALL questions ALL questions carry EQUAL Marks

 $(5 \times 6 = 30)$

11 a Interpret rating scales and explain its types.

- b Appraise absolute threshold.
- 12 a Discuss the types of research.

- b Elucidate variables in the research design.
- 13 a Enumerate measures of central tendencies.

- b Differentiate measures of Skewness from Kurtosis.
- 14 a Examine the characteristics of hypothesis.

- b Describe the techniques of one-way and two-way ANOVA.
- Elucidate methods of scaling.

b Discuss principles of test construction.

Z-Z-Z

END