



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – B.Physiotherapy-2020 Course Name – Research Methodology and Biostatistics Course Code - BPT804 (Semester VIII)

	d) Descriptive study		
		Time: 2:30 Hours and dates are required to give their answers in their are practicable.]	
1.	Gro (Multiple Choice Choose the correct alternative from the followi		
(i)	Write the correct statement about standard error.		
	a) It is the mean value of data set.	 b) It is the dispersion of data around the mean. 	
/ii\	c) It is the likelyhood of differences between sample mean and population mean Identify the term used to perform a complete state of the sample of the sampl	d) It is the error in calculating the data	
(11)			
	a) Report c) Census	b) Sample d) Calculation	
(iii)	Identify the research type if a doctor studies the dengue fever.	re relative effectiveness of two drugs of	
	a) Descriptive survey	b) Experimental research	
(iv)	c) Case study Name the term for first page of a research repo	d) Qualitative research	
(v)	a) Title page c) Index In logistic regression, what type of outcome val	d) Bibliography	
(-,	a) Continuous		
	c) Ordinal	b) Categorical d) None of these	
(vi)	Recognize the most important criteria to judge	a research.	
	a) Research duration	b) Research title	

(vii) Specialised processes such as graphical and numerical methods are utilised in which of

(viii) Identify testing the significance of a sample correlation coeeficient, degree of freedon=

d) Total expenditure on research

b) Descriptive statistics

d) Social statistics

c) Research objectives

a) Education statistics

c) Business statistics

the following?

10

	a) n c) n-2	b) n-1 d) n2	
(ix)	Select the option which is considered unethical a) If the research is trying to prove a particular	b) If the research does not ensure anor and privacy of the respondent	nymity
	point c) If the research does not investigate the data scientifically	d) If the research is not of a very high s	tandard
(x)	Identify the research tool used in collecting data	a.	
	a) Questionnaire	b) Graph	
(xi)	c) Illustration Select the following is NOT a characteristic of a	d) Diagram randomized controlled trial (RCT)?	
	 a) Random allocation of participants to treatment groups 	b) Blinding of participants and investig	ators
(xii)	c) Selection bias is eliminated List the following study designs is best suited fo	d) Observational design without interv r assessing causality?	ention
	a) Case-control study	b) Cohort study	
(xiii)	c) Cross-sectional study Identify measure of central tendency is most inf	d) Descriptive study luenced by outliers?	
	a) Mean	b) Median	
	c) Mode In a one-way ANOVA, the null hypothesis states	d) Standard deviation that:	
	There is no difference between the means	b) There is a significant difference bety	veen
	of the groups	the means of the groups	veen
	c) There is no correlation between the groups ANOVA is a statistical method used to analyze	d) There is no variability within the gro	ups
а) Differences between two independent groups	b) Differences between two related gro	oups
C)) Differences between three or more independent groups	d) Differences between three or more groups	related
	Grou	n-B	
	(Short Answer Ty		3 x 5=15
Printer Washington		, , , , , , , , , , , , , , , , , , , ,	0,10 20
2. Disti	inguish between Null hypothesis and alternativ	e hypothesis	(3)
	marize Pilot survey in research methodology		(3)
	e a short note on case control study.		(3)
	example of snowball sampling.		(3)
6. ESTIN	nate the standard error for 9 samples with star		(3)
OR Construct a pie diagram of the given data: Among 50 students in BPT2020 batch, 33 (3) are obese.			
	the second secon		
	Group		
	(Long Answer Ty		5 x 6=30
	(J / 0-30
7. Poin	t out the possible sources of error in measure	ment	(5)
8. Crea	te a frequency distribution table (using tally r class: 21, 21, 20, 21, 19, 22, 24, 25, 20, 21, 22	narking) from the age of the students	in (5)
9. Write	e any five good ethical practices that can be in	mplemented in research.	(5)

 10. Justify the statement: The mean, median and mode of the data 28, 26. 28, 27, 28, 28, 30, 31, 24, 26, 28, 32, 29, 27, 30, 32 are different. 11. Differentiate between analytical study and descriptive study. 12. Justify the statement: Plagiarism is a malpractice in research. 	(5) (5) (5)
O.D.	(3)
Justify the statement: Preparation of research objective is very crutial in conducting a research.	(5)
