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1. Choose the correct alternative from the following:

c) All the researchers involved in the research



BRAINWARE UNIVERSITY

Term End Examination 2024-2025 Programme - B.Sc.(OTT)-2021/B.Sc.(OTT)-2022 Course Name - Research Methodology and Biostatistics Course Code - BOTTE604 (Semester VI)

Full Marks : 60	Time: 2:30 Hours
[The figure in the margin indicates full marks. Candidates are required to give their	answers in their
own words as far as practicable.]	
entranger black is maintain and to make A	
Group-A	

(Multiple Choice Type Question)

	and the property of the state o	a) Barellagram
(i)	You measure blood pressure from different studies research.	lent groups. Identify the type of
(ii)	a) Descriptive c) Qualitative You want to write a research proposal. Select th proposal.	b) Analytical d) Applied e items you should incorporate into the
(iii)	a) Work plan c) Timeline of study Identify the correct option to fill the gap: Second obtained more quickly and at a lower cost than	b) Methodology d) All of these dary data can almost always be data.
(iv)	a) Research c) Collective Select the middle portion of a group of member	b) Tertiary d) primary s.
(v)	a) The measure of central tendency c) The measure of shape Compute the mean of two numbers X and Y.	b) The measure of variability d) The measure of association
(vi)	a) (x+y)*2c) xy/2Compute the sum of all numbers, if the average	b) (x+y)/2 d) 2/(x+y) of 4 numbers is 20.
(vii)	a) 16 c) 80 Select what you mean by population.	b) 24 d) 5
	All of the people involved in carrying out the research	b) Every person or entity that might be included/that might participate in the

research

d) The researcher and research supervisor

1 x 15=15

(viii)	Choose the mode of the given data: 2, 4, 5, 6, 4	, 3, 5, 6, 7, 3, 3, 5, 6, 6, 4, 5, 6	
	a) 4	b) 5	
/: A	c) 6	d) 7	
(IX)	Select the median of the values -5,-8, -10, 0, 6,	5, 10.	
	a) -5	2,0	
(v)	c) 0	d) 10	
(X)	Identify the basic rule of probability sampling.		
	 a) Each member of the population has an equal probability of being selected for inclusion in the galaxy c) Each member of the population has an equal probability of being selected for inclusion in the pyramid 	 b) Each member of the population has all equal probability of being selected for inclusion in the universe d) Each member of the population has all equal probability of being selected for inclusion in the sample 	n
(xi)	Identify the main problem in using secondary d		
	a) the data available may not be exactly the data required	b) It usually is a quantitative data	
	c) it is usually qualitative data	d) None of these	
(xii)	Select the correct option to fill in the blank: Res	ponse rate in research project is	
	a) A record of the speed at which respondents	b) A count of the number of responses	
	respond in a data gathering exercise c) A record of the speed at which a research	received in a data gathering exercise	
	supervisor responds to a request for help during the research project	d) A count of the number of valid respon received in a data gathering exercise	ses
(xiii)	Which of the following is a data presentation op	tion.	
	a) Bar diagram	b) Pie diagram	
	c) Line diagram	d) All of these	
(xiv)	You want to study the effect of a drug in a patie will perform.	nt group. Select the you of research you	
	a) Clinical trial	b) Case study	
, ,	c) Epidemiological study	d) Regression study	
	Identify the median: 2, 4, 6, 8, 10, 12, 14		
	a) 6	b) 7	-
	c) 8	d) 9	
	ed evisule to min against 4 mans	The sea of the party of the sea o	
	Grouj (Short Answer Ty		x 5=1
		pe Questions,	A J-1.
2. W	rite the advantages of telephonic interviews in co	ollection of primary data.	(3)
3. It	has been found that the use of sterilized needle entify the dependent variable and independent v	decreases the rate of disease transfer.	(3)
4. Gi	ve examples of some controlled variables.	and an and procedure.	(3)
	scuss the role of ethics committee in conducting		(3)
6. Yo 45	u are trying to calculate the mean of the marks of 42 and 39. You calculated the mean as 41. Find	btained by 3 students. The marks were error in the calculation.	(3)
In	OR	close on boods the way and the	/21
te	a research protocol, the effect of the duration of mperature, humidity and light. Analyze different	variables in this research protocol.	(3)

Group-C (Long Answer Type Questions)

5 x 6=30

/.	to represent this data.	(5)
	Differentiate between analytical study and descriptive study.	(5)
9.	The hospitalization period for COVID19 in 6 patients were 3, 10, 21, 11, 11 and 10 days. Calculate the standard deviation of hospitalization period of COVID19 disease.	(5)
10.	Compare between primary data and secondary data in research.	(5)
11.	Discuss on census and state its merits and demerits.	(5)
12.	Summarize the criteria for a good research protocol.	(5)
	OR	
	Justify the statement: Data acquisation is very important in conducting a research.	(5)

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