

School: School of Science

Program/s:

Biomedical Science

Year: 3rd

Semester: V

Examination:

End Semester Examination

Examination year: December - 2021

Course Code: BM305

Course Name: Biostatistics

Date: 03/12/2021

Time: 11:30 am to 01:30 pm

Total Marks: 40

*Total Pages: 02

Instructions:

→ Start each session/question on a new page.

→ Use of a calculator is permitted: Non-programmable calculator only.

→ Any other relevant instructions if any:NA

Q. No.	Details Marks CO PTI								
		Marks 10	CO CO1	BTL BT1					
Q.1	Provide short answers to the following.								
	 Define data. Define continuous dataset. 	(1 x 10)	CO2	BT2					
	3. What is a fundamental advantage of an in-depth interview method for data collection?4. Enlist two advantages of mode compared to mean.5. What is the significance of secondary data collection?		, .						
	 6. Enlist essential sections of a table. 7. With reference to a normal distribution curve, define two types of skewness that can be observed in a database. 8. Write the formula of standard deviation. 								
ŕ	9. Define sample variance.10. What is the significance of an angular diagram compared to a histogram?								
Q.2	Explain in brief. Any 5	10	CO1	BT1					
	 Define measure of central dispersion with example. Define normal distribution and its characteristics. 	(2 x 5)	CO2	BT2					
	3. Tabular presentation of a dataset may not be a favorable type of representation during presentations in meeting but it is highly recommended in formulating case /comprehensive reports. Why?		CO3						
,	4. Classification of data type is essential prior to statistical scruitiny. Why?								
*	5. Enlist crucial differences between primary data and secondary data collection methods.6. What are the advantages of curvey quartic production and secondary data and secondary data are the advantages of curvey quartic production.								
	6. What are the advantages of survey questionnaire method compared to an interview method during data collection?								

0.3	Match A with B and C				(01	вТ
	A	В	C			вт
	Tabular representation	Data representation with columns	Secondary data			
	Histogram	Class-intervals	Primary data			
	Focussed group discussion	Peer-reviewed essential findings	Qualitative data			
	Ordinal data	Overall expression of the dataset	Compact representation of quantitative data			
	Frequency polygon	Expert-opinion	Qualitative and primary type of data			
-	Compound bar diagram	Non-verbal communication	Quantitative data type			
	Publications	Complete expression of a data set	Angular diagram			
	Key-information interview	Multiple datapoints from multiple samples	Basic type of data representation			
	Discrete data	Data arranged in order	FSSAI, FDA, CPCB			
	Graphical representation	Integer values	Quantitative data presentation			
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).4	Explain in detail.		Any 2	10	CO1	E
	1. Provide a comprehensive note on data representation using				CO2	1
į	tables. 2. What are mean relevant exam		CO3			

************End of Question Paper*********