WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2022

FNTACOR14T-FOOD AND NUTRITION (CC14)

RESEARCH METHODOLOGY AND BIOSTATISTICS

Time Allotted: 2 Hours   Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.

Answer any *four* questions from the following   10×4 = 40

1. (a)	Explain different types of variables with examples.	4+2+4
(b)	What is mode?	
(c)	Explain the term: parameter and statistic.	
2.	Write short notes on histogram and pie chart.	5+5
3.	Explain different types of report. Mention the importance of report writing.	5+5
4.	Mention the properties of median. Following is a data set of white-blood cell counts (×1000) taken upon admission of all patients entering a hospital. Compute the median of white-blood cell count: 7, 35, 5, 9, 8, 3, 10, 12, 8	5+5
5.	Write short notes on frequency distribution and frequency polygon.	5+5
6.	What is interpretation? Briefly state about the techniques of interpretation. Mention the steps of writing a report.	3+3+4
7.	State the properties of standard deviation. Compute the standard deviation of the following memory test scores of 20 high school students- 9, 10, 12, 15, 9, 11, 16, 10, 13, 9, 12, 10, 14, 13, 15, 16, 13, 10, 12, 14	5+5
8. (a)	What is cumulative frequency?	
(b)	What do you mean by standard error of the mean?	
9.	Discuss the advantages of graphical presentation of data with suitable examples.	6+4

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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