



**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 ( $\times 1000$ ) 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- 5+5  
9, 10, 12, 15, 9, 11, 16, 10, 13, 9, 12, 10, 14, 13, 15, 16, 13, 10, 12, 14
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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