



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 5th Semester Examination, 2021-22

ARDACOR11T-AGRICULTURE AND RURAL DEVELOPMENT (CC11)

ELEMENTARY STATISTICS

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.
All symbols are of usual significance.*

1. Answer any **six** questions from the following: 5×6 = 30
 - (a) Distinguish between nominal scale and ordinal scale with suitable examples.
 - (b) Write a short note on Simple random sampling technique.
 - (c) Write down the characteristics of qualitative data.
 - (d) Write in brief on different primary data collection techniques.
 - (e) What are the measures of dispersion? Discuss in brief any one of them.
 - (f) Write a note on Normal Distribution Curve.
 - (g) Define Mean, Median and Mode of a data set.
 - (h) Distinguish between primary data and secondary data.
 - (i) If in a data set of 20 observations, all are found to be a constant value. Let the value be 10. Find out the Mean and Standard deviation of the above observations.

2. Answer any **one** question from the following: 10×1 = 10
 - (a) Write a note on correlation analysis. What do you mean by 'zero correlation' between two variables (x and y)? State different types of correlations between two variables. 5+3+2

 - (b) Distinguish between Standard deviation and Mean deviation. Calculate the Standard Deviation and Mean Deviation of the heights (in cm.) of following ten (10) students in a classroom: 140, 144, 146, 148, 140, 152, 150, 151, 145, 154. 5+5

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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