

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN,
NUVEM-GOA**

SEMESTER END EXAMINATION, JUNE 2022

Semester: - VI of B.A

Course Title: Research Methodology-II

Course Code: ECD 114

Total marks: 80

Date:/06/2022

Duration: 2 Hrs

Total no of pages: 01

Instructions: 1. All questions are compulsory.

2. Figures to the right indicate marks.

Q1. Briefly answer any four of the following questions: - (16)

- i. Distinguish between participatory and non-participatory observation method.
- ii. Write a note on interview method.
- iii. Explain the different types of tables.
- iv. Differentiate between skewness and Kurtosis.
- v. Define median and state its advantages.
- vi. Explain the different types of classification.

Q2. Briefly answer any four of the following questions: - (16)

- i. List the uses of the study of correlation.
- ii. Illustrate scatter diagram as a measure of correlation
- iii. Distinguish between correlation and regression.
- iv. Highlight the precautions to be taken in research report writing.
- v. Explain the need to define a research problem.
- vi. Write a note on synopsis.

Q3.A. Evaluate schedules as a method of data collection. (12)

OR

Q3.B. Discuss the questionnaire method of data collection. (12)

Q4. A. Calculate Mean, Median and Mode for the following data. (12)

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50
No of students	20	43	75	76	72	45	39	9	8	6

OR

Q4. Calculate standard deviation and coefficient of variation for the following data (12)

X	10-30	30-50	50-70	70-90	90-110	110-130	130-150
F	14	59	101	61	28	17	4

Q5.A. Calculate Karl Pearson's Coefficient of Correlation for the following data (12)

Marks in Physics	20	25	30	35	40	45	50	55	60
Marks in Chemistry	67	68	67	72	69	71	46	50	55

OR

Q5.B. Examine the components of time series data. (12)

Q6.A. From the following data, obtain the two regression equations (12)

X	4	5	6	8	11
Y	12	10	8	7	5

OR

Q6.B. Discuss the steps involved in research report writing. (12)

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