

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Aligarh Muslim University, Aligarh

Session: 2020-2021

Post Graduate Diploma in Data Analytics with Statistical Package for Social Sciences

RESEARCH METHODOLOGY: ISSUES & PERSPECTIVES

(SPSS-01)

Total Marks: 25

a) Attempt any two questions.

1. Write a note on research planning.
2. What are the advantages and disadvantages of questionnaire method of data collection ?
3. What are the criteria of a good and scientific research design?
4. Describe sources of bias in research.

ASSIGNMENT

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DESCRIPTIVE STATISTICS AND ANALYSIS

(SPSS-02)

Total Marks: 25

a) Attempt any two questions.

1. Write in details about Bar chart, Histogram, Pie Chart and Frequency Polygon.
2. Write a note on meaning, uses and computation of Mean, Median and Mode for grouped data.
3. What is visualizing Normality and Computations with SPSS?
4. What is Pearson's Product-Moment Correlation and state step in calculating it in SPSS?

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QUALITATIVE & QUANTITATIVE RESEARCH METHODS AND ANALYSIS
(SPSS-03)

Total Marks: 25

a) Attempt any two questions.

1. Write about types of qualitative research: ethnography, narrative, grounded theory and case study.
2. Write a brief note on overview of SPSS.
3. What are the types of quantitative research?
4. Write a note on overview of data analysis in Excel.

ASSIGNMENT