

## RESEARCH METHODOLOGY

(Held in April 2010)

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

1. Briefly discuss the different types of research in social sciences and explain their merits and demerits.
2. Explain the steps involved in the testing of hypothesis with an illustration.
3. What are the various methods of sampling? How is the reliability of sample measured?
4. Discuss interview method and write its uses and limitations.
5. Explain the important points and principles to be followed while constructing an interview schedule.
6. Describe the process of classification of data.
7. What is *t* test? Explain its application in sociological research.

8. Calculate the standard deviation from the following data giving the age distribution of the parliament members.

Age-years :	20-30	30-40	40-50	50-60
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Number of employees :	170	110	80	45
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Age-years :	60-70	70-80	80-90
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Number of employees :	40	40	25
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9. Write the importance of average in the analysis of sociological data. The following table gives the heights of a certain variety of plants. Find the arithmetic mean.

Height (cm) :	30-39	40-49	50-59	60-69
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Frequency :	15	46	75	3
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Height (cm) :	70-79	80-89	90-99
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Frequency :	40	18	3
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10. Discuss the steps to be followed in presenting a research report.

