

**EP 301 : Research Methodology**

P. Pages : 1

Time : Three Hours



**GUG/W/16/3999**

Max. Marks : 70

- Notes :
1. All questions carry equal marks.
  2. Answer **any five** questions in all.
  3. Assume suitable data wherever necessary.
  4. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) Describe the different types of research clearly pointing out the difference between an experiment and a survey. 7  
 b) Distinguish between Research methods and Research methodology. 4  
 c) Write a comprehensive note on "Design of the research project." 3
2. a) What is research problem? Define the main issues which should receive the attention of the researcher in formulating the research problem. Give one example to illustrate answer. 7  
 b) Write short notes on: 7
  - i) Components of a research problem.
  - ii) Pilot survey
3. a) Describe some of the important research designs used in experimental hypothesis testing research study. 7  
 b) What is research design? Discuss the basis of stratification to be employed in sampling public opinion on inflation. 7
4. a) Describe the different methods of scale construction, pointing out the merits & demerits of each. 7  
 b) Point out the possible sources of error in measurement. Describe the tests of sound measurement. 7
5. Write a short notes on.
  - i) Important aspects of a questionnaire 3
  - ii) Multicollinearity 3
  - iii) partial association between two attributes 4
  - iv) Coefficient of contingency. 4
6. a) What do you mean by the power of a hypothesis test? How can it be measured? Describe and illustrate by an example. 7  
 b) Explain briefly the important parametric tests used in context of testing hypothesis. How such tests differ from non-parametric tests? Explain. 7
7. a) How does the case study method differ from the survey method? Analyse the merits and limitations of case study method in sociological research. 7  
 b) "Experimental method of research is not suitable in management field" Discuss. 7
8. a) "Interpretation is a fundamental component of research process". Explain. Why so? 7  
 b) Write short notes on 7
  - i) The techniques of writing report.
  - ii) Rewriting and polishing of report.

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