ME sem II / CIVIL / CBCS / FH2019   21/05/2019

(Three Hours)   Total Marks: 80

Instructions:
- Attempt any four questions out of six questions
- Assume suitable data wherever necessary
- Figures to the right indicate full marks.

Q.1   Answer any Four.   20
   a.   Role of SPSS in data analysis
   b.   Foot notes and Bibliography
   c.   Importance of t-tests
   d.   Descriptive statistics
   e.   Testing of hypothesis
   f.   Non-parametric tests

Q.2 a. What is the research methodology? Explain the steps in scientific research process.   10
   Briefly explain about literature review.

   b. State the sources of research problem. How a problem is identified? Enumerate the   10
   criteria for the selection of a problem.

Q.3 a. Explain the concept of attitude scale. Explain the Likert's scale to measure data attitude.   10

   b. Explain Quantitative vs. Qualitative type of research. Explain Post Facto research and   10
   Motivation in research.

Q.4 a. Explain critically interpretation and Organization of the data.   10

   b. Hypothesis is a statement which involves a relationship of variable. Enumerate the types   10
   of variables included in stating a hypothesis.

Q.5 a. What are the characteristics of research? What are the factors affecting research design?   10

   b. "A systematic bias results from errors in the sampling procedures". What do you mean   10
   by such a systematic bias? Describe the important causes responsible for such a bias.

Q.6 a. What are the differences between observation and interviewing as methods of data   10
   collection? Explain with two specific examples of situations where either observation or
   interviewing would be more appropriate.

   b. You have been asked to research setting up of a roadside hotel. Design a questionnaire   10
   to find out the prospects of proceeding with the venture.

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