R05/AGR505/EE/20160519

Time : 3 Hours   **Marks : 80**

Instructions :
1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. a) What is Scientific Knowledge and explain characteristics of Scientific Research.

    b) Describe the need of Scientific Methodology in Extension Research.

    c) Explain how to identify a Research Problem in Extension Education.

    d) Describe in detail the Sources of Review of Literature.

    e) Explain in detail Concept, Construct and Variables.

2. a) What are the Characteristics of Research Design.

    b) Describe in detail the Types of Variables used in Extension Research.

    c) Illustrate with examples the Types of Descriptive Research Design.

    d) What is Action research and explain various Criteria of Action Research.

    e) What is Measurement and describe various levels of Measurement Scales.

3. a) Describe in short various Methods of Statistical Data Collection.

    b) What is Questionnaire and describe various Types of Questionnaires.

    c) Explain in short Methods of Attitude Scale Construction.

    d) What is Classification of Data and explain various Methods of Classification.

    e) What is meaning of Central Tendency and explain Median and Mode.

4. a) What is Dispersion and explain with example Standard Deviation.

   b) What is Correlation and explain with example the Types of Correlations.

   c) What is Scientific Report Writing and enlist Components of Research Report.

   d) Explain in short various Tests used in Test of Significance.

   e) Explain the role of SPSS Software in Statistical Data Analysis.

✛✛✛✛✛✛✛