|  |  |  |  |  |  |  |  |  |  |  |  |
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**D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE – 1**

**SEMESTER EXAMINATIONS**

 **NOVEMBER – 2017 15CPCO3D**

 **RESEARCH METHODOLOGY**

**Time: 3 Hrs Max. Marks: 75**

**SECTION – A (5 X 6 =30)**

**Answer ALL the questions.**

1. a) Define Research. What are the common barriers to social science research?

(Or)

b) Briefly explain criteria of a good research problem.

1. a) List out the characteristics of data & sources of secondary data.

(Or)

b) Explain briefly the methods of primary data collection.

1. a) Bring out various components of research table.

(Or)

b) What are the usual errors committed in interpretation of research findings?

1. a) A panel of judges A and B graded seven debators and independently awarded the following marks:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Debator | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Marks by A | 40 | 34 | 28 | 30 | 44 | 38 | 31 |
| Marks by B | 32 | 39 | 26 | 30 | 38 | 34 | 28 |

 An eighth debator was awarded 36 marks by judge A while judge B was not present. If judge B were

 also present, how many marks would he award to the eight debator, assuming that same degree of

 relationship exists in their judgments?

(Or)

b) Examine whether the nature of area is related to voting reference. The areas are of two types rural

 and urban and two parties A and B participated in the election.

 (*Table value of chi-square at 5% level of significance for df 1 , is 3.84*)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Party A | Party B | Total |
| Rural | 18 | 15 | 33 |
| Urban | 12 | 15 | 27 |
| Total | 30 | 30 | 60 |

1. a) Explain briefly the essentials of good research report.

(Or)

b) State the major types of research report.

**SECTION – B (3 X 15 =45)**

**Answer any THREE of the following questions.**

6. Discuss about various approaches to research.

7. Elucidate the different techniques of sampling.

8. Enumerate the different types of charts & diagrams used in presenting the data. Explain with examples.

9. There are three main brands of a certain powder. A set of 120 sample values examined and found to be allocated among four groups and three brands as under.

|  |  |
| --- | --- |
| Brands | Groups |
| A | B | C | D |
| I | 0 | 4 | 8 | 15 |
| II | 5 | 8 | 13 | 6 |
| III | 18 | 19 | 6 | 13 |

Is there any significant difference in brand preference? Answer at 5% level, using one-way ANOVA.

10. Explain in detail the components of a research report presentation in IMR & D format.

**\* \* \* \* \* \* \***