

**MA RURAL DEVELOPMENT
THIRD SEMESTER
RESEARCH METHODS
MRD-301**

**SET
C**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

(Objective)

Time: 20 mins.

Marks: 20

Choose the correct answer from the following:

1×20=20

1. Hypothesis refers to
 - a. the outcome of an experiment
 - b. A conclusion drawn from an experiment
 - c. a form of bias in which the subject tries to conclude
 - d. A tentative statement about the relationship
2. APA stands for
 - a. African Psychological Association
 - b. Asian Psychological Association
 - c. Australian Psychological Association
 - d. American Psychological Association
3. In the sampling process, if the units from the population are purposively selected, then it is termed as.
 - a. Incidental Sampling
 - b. Purposive Sampling
 - c. Random Sampling
 - d. Cluster Sampling
4. While collecting data the researcher should have a control over:
 - a. Extraneous variable
 - b. Dependent variable
 - c. Independent variable
 - d. All of these
5. Social Research refers to
 - a. A system for producing knowledge
 - b. Knowledge produced by the system
 - c. Both of these
 - d. None of these
6. A literature review requires
 - a. Planning
 - b. Good & clear writing
 - c. Reliable sources
 - d. All of these
7. Which of the following process helps to understand the previous research on the subject matter?
 - a. Theoretical framework
 - b. Literature review
 - c. Hypothesis formulation
 - d. Sampling
8. Which of the following is/are the features of a good research?
 - a. Systematic
 - b. Logical
 - c. Reliable
 - d. All of these
9. A set of value when arranged in the ascending or descending order of magnitude to find out the middle most value is

- a. Mean
c. Mode
- b. Median
d. Standard deviation
10. Census conducted by Govt of India is an example of
a. Primary data
c. Both
- b. Secondary data
d. None
11. The data of agricultural expenditure of a Five Year Plan can be represented by
a. Bar diagram
c. Line diagram
- b. Pie chart
d. Scatter diagram
12. Standard deviation is commonly denoted by the symbol:
a. €
c. Π
- b. A
d. None of these
13. SPSS stands for
a. Statistical Package for Social Science
c. Statistical Policies for Social Science
- b. Statistical Programme for Social Science
d. None of these
14. Unstructured questions are
a. Open ended questions
c. Dichotomous questions
- b. Close ended questions
d. None of these
15. The difference between highest value and the lowest value is known as
a. Standard deviation
c. Mean
- b. Range
d. Median
16. How is random sampling helpful?
a. Reasonably accurate
c. An economical method of data collection
- b. Free from personal biases
d. All of the above
17. Which of the following does not correspond to characteristics of research?
a. Research is not passive
c. Research is not a problem-oriented
- b. Research is systematic
d. Research is not a process
18. Who defined statistics as the science of estimates and probabilities?
a. A L Boddington
c. Horace Secrit
- b. Croxton & Cowden
d. Pannerselvan
19. Qualitative observation of elementary units is called
a. Variable
c. Attributes
- b. Data
d. Statistics
20. The value of Karl Pearson's Correlation Coefficient lies between
a. 0 & 1
c. 1 & 2
- b. -1 & +1
d. 1 & 10

(Descriptive)

Time : 2 hrs. 40 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. a. Define data. 4+6=10
b. Discuss the methods of collecting data.
2. a. Distinguish between Independent and Dependent variable. 5+5=10
b. Describe the importance of literature review in the research process.
3. Define research. 'Methodology as the soul of research'- Explain. 10
4. With the following data of 10 employees, calculate Mean and median. 10
Daily Income (Rs.): 780, 760, 690, 750, 840, 920, 100, 810, 750, 950
5. Calculate the value of R: 10

X	100	200	300	400	500	600	700
Y	30	50	60	80	100	110	130

6. The age of 8 students are as follows: 10
25, 20, 24, 22, 25, 30, 35, 20
Calculate the standard deviation of age.
7. Represent the following data with a suitable diagram: 10

Countries	Employed
USA	1160
Spain	405
Germany	220
Canada	210
UAE	192
Italy	120
Australia	100

8. a. Define sample. 4+6=10
b. Discuss elaborately the concept of sampling design.

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