TITLE OF RESEARCH (FONT SIZE 24 ARIAL)

Year

ASSINGMENT –IV RM
2015
For the Degree of

Doctor of Philosophy
In
SUBJECT

Submitted
to

MEWAR UNIVERSITY GANGRAR, CHITTORGARH (RAJASTHAN) (FONT SIZE 22 ARIAL)

Research Supervisor: **Research**
Scholar: Dr.   **Name**

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Q.1 (a) Explain the meaning of analysis of variance. Describe briefly
the technique of analysis of variance for one-way and two-way
classifications.
(b) What do you mean by the additive property of the technique of
the analysis of variance? Explain how this technique is superior
in comparison to sampling.

Q.2 Write short notes on the following: • F-
ratio and its interpretation;
• Significance of the analysis of variance;
• Situation when 'F' test is followed by't' test and vice versa.

Q.3 (a) What is logical form? Discuss the western and oriental
conceptions of logic.
(b) Define deductive and inductive reasoning.

Q. 4 Define the terms: Reliability and; validity of research tools. Explain
how are they estimated.

Q.5 (a) Give your understanding of non-parametric or distribution free
methods explaining their important characteristics.
(b) Narrate the various advantages of using non-parametric tests.
Also point out their limitations.

Q. 6 Briefly describe the different non-parametric tests explaining the
significance of each such test.

Q.7 Under what circumstances is the Mann Whitney u test used? Explain.
What is the main limitation of this test?

Q.8 (a) What is the purpose of sign test?
(b) Explain briefly the Spearman's rank correlation and
Kendall's coefficient of concordance.

Q.9 (a) What do you mean by multivariate analysis?
(b) Discuss the significance of Factor
Analysis. Q.10 Write short notes on:
(a) Relationship between z and t test in reference to

their distribution.
(b) Path analysis.