COURSE WORK EXAMINATION 2018-19

Course	:	Ph D	Year & Semester	:	I Year I Semester
Branch	:	Common for all	Subject Code	:	RES-I(A)
Subject Name	:	Research Methodology			

Time Allowed: 3 Hours   **Max. Marks: 60**

Instruction for students:
- **Attempt any two Questions from each unit in a given sequence.**
- Writing should be neat and legible.
- Bringing cell phone, electronic gadget/programmable calculators are strictly prohibited, only scientific calculator is permitted.
- Do not write anything on the Question paper except your Enrolment number.

Unit – 1
Q. No. 1. Explain briefly: i) Sampling Element ii) Population iii) Sampling Frame & iv) Sampling Unit

Q. No. 2. Write down the definition of Research and its objectives?

Q. No. 3. What do you mean by Research problem? How you select a problem

Q. No. 4. Primary data collection is a tiring activity for a novice researcher, - comment on the statement.

Q. No. 5. Define Research, Research Methodology and how it differs from the research methods? As a research scholar; why one has to Study Business Research / Research methodology? Discuss.

.Unit – 2
Q. No. 6. How do you calculate the sample size for Proportionate Stratified Sample?

Q. No. 7. Explain the disadvantages of Secondary data.

Q. No. 8. What precautions one should take while designing a questionnaire. Illustrate with examples.

Q. No. 9. What are the issues that affect sample size decisions?

Q. No. 10. Process of literature review is never ending process for a researcher – how? Discuss in context of importance of Literature review in doing a formal research.

Unit – 3
Q. No. 11. What are the different types of scale one uses for analyzing the collected data?

Q. No. 12. Research plan, Research proposal and Research Design – Differentiate these concepts in terms of your understanding.

Q. No. 13. Name some products or services that logically might have been developed with the help of business research / Research.

Q. No. 14. Explain how sampling and statistical inference are useful for any research work.

Q. No. 15. How do you calculate the sample size for Disproportionate Stratified Sample?

Unit – 4
Q. No. 16. What is analysis of variance? Give an example to illustrate the same.

Q. No. 17. How will you differentiate between descriptive statistics and inferential statistics? Describe the important statistical measures often used to summarize the survey/research data.

Q. No. 18. Discuss multiple correlation and regression for data analysis. Apply the method for a given data.

Q. No. 19. What is Chi Square test? Explain the significance in statistical analysis of any research problem.

Q. No. 20. What do you mean by multivariate analysis? Explain how it differs from Bivariate analysis.

Unit – 5
Q. No. 21. Write down the fundamentals of Sampling?

Q. No. 22. The coefficient of correlation between x and y is 0.8. Their covariance is 5.2, Var (x) = 9. Find S.D. of y.

Q. No. 23. Find both the Regression line for the following data

X	4	5	6	7	8
Y	9	15	18	22	25

Q. No. 24. What is SPSS and Define how data analysis by using SPSS?

Q. No. 25 Distinguish between the following:

(1) Statistic and parameter;   (2) Confidence level and significance level;

(3) Random sampling and non- random sampling;   (4) Sampling of attributes and sampling of variables.

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