ADICHUCNHANGIRI UNIVERSITY, BG NAGAR

PHD ENTRANCE EXAMINATION 2019

MAX MARKS: (40+60=100)   **DURATION: 3 HOURS**

PART-I: RESEARCH METHODOLOGY- COMMON TO ALL   40M

SEC- A

Note: Answer any *20 questions*. Each question carries ONE mark.   20x1=20

1. Define Research.
2. Define Hypothesis.
3. Describe Bias and its causes.
4. Define convince sampling.
5. Characterize coding & its importance in research.
6. Define pilot survey.
7. Examples of Dependent & Independent variables.
8. Describe the Cluster sampling.
9. Write the formula for sample size calculation.
10. Define standard deviation
11. Define survey
12. Define Inferential statistics.
13. What do you mean by Multivariate analysis?
14. Define Precision.
15. Define Confidence level.
16. Define Standard error (SE).
17. Explicate the Student T test & its significance.
18. Define experiment
19. What are the important point of Technical report?
20. Write any two research instruments used in social/marketing research.
21. Is the holistic approach being main/important in Interdisciplinary research?
22. Define Bibliometry.
23. List out the types of graphic representation methods.
24. Define protocol.
25. Define Literature survey
26. Define IPR
27. Define copy right
28. Define impact factor
29. Define Plagiarism
30. Define Citation

Note: Answer any *10 questions*. Each question carries TWO marks   10x2=20

1. Write the research process flow chart.
2. Any two differences between Qualitative and Quantitative research.
3. Write a note on primary, secondary and tertiary data.
4. Describe the Stratified sampling technique.
5. Describe four characteristics of Good research.
6. Highlight the most common problems encountered in Indian research.
7. Outline the Important points to be considered while selecting of the research problem.
8. Differentiate between Descriptive & Explorative /formulate study design.
9. State the four formal experimental designs.
10. Describe type I and type II error.
11. Distinguish between simple random sampling and complex random sampling design.
12. Write a note on experimental data and research data.
13. Describe the measure of Dispersion.
14. Distinguish between Null hypothesis and Alternate hypothesis.
15. Explain significance of research in modern times