

Priyadarshini College of Engineering, Nagpur
Sessional Examination (2022-23) Odd Semester
B.Tech. Seventh Semester (Computer Technology) (C.B.C.S.)
Research Methodology

P. Pages: 2

PCE/KW/22/BTCT706T

Time: Three Hours

Max. Marks: 35

Notes:

1. All questions carry marks as indicated.
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Illustrate your answers whenever necessary with the help of neat sketches.

Q. No.	Question	CO	BT	Marks
1	a The first step of research is: a. Selecting a problem c. Identifying a problem b. Searching a problem d. solving a problem	CO1	I	1
	b What is the name of the conceptual framework in which the research is carried out? a. Research hypothesis c. Synopsis of Research b. Research paradigm d. Research design	CO1	I	1
	c What is the main role of research in education? a. To upsurge one's social status. c. To increase one's job prospects. b. To augment one's personal growth. d. To help an applicant in becoming a renowned educationalist.	CO1	I	1
	d Which of the following options are the main tasks of research in modern society? a. To learn new things c. To keep pace with the advancement in knowledge b. To systematically examine and critically analyze the investigations/sources with the objective d. All of the above	CO1	I	1
	e 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	CO1	I	1
	f Which of the following features are considered as critical in qualitative research? a. Collecting data with the help of standardized research tools. b. Design sampling with probability sample techniques. c. Collecting data with bottom-up empirical evidence. d. Gathering data with top-down schematic evidence.	CO2	I	1
	g How to judge the depth of any research? a. By research title c. By research duration b. By research objectives d. By total expenditure on research	CO2	I	1

Q. No.	Question	CO	BT
h	<p>What does a good thesis involve?</p> <p>a) Reducing punctuations as well as grammatical errors to minimalist</p> <p>b) Correct reference citations</p> <p>c) Consistency in the way of thesis writing</p> <p>d) Well defined abstract</p> <p>Select the answers from the codes given below:</p> <p>a. b), c) and d) c. a), b), c) and d)</p> <p>b. a), b) and c) d. a), b) and d)</p>	CO2	I
i	<p>Who can successfully conduct Research?</p> <p>a. Someone who is a hard worker b. Possesses post-graduation degree</p> <p>b. Has studied research methodology d. Possesses thinking and reasoning ability</p>	CO2	I
j	<p>Which of the following statement is not correct about a questionnaire?</p> <p>A) A technique for collecting data B) Large amounts of information can be collected</p> <p>C) Its quick and easy to collect results D) An expensive method to collect data</p>	CO2	I
k	<p>Circle graphs are used to show</p> <p>a. How is one part related to other parts?</p> <p>b. How various sections share in the whole?</p> <p>c. How is one whole related to another whole?</p> <p>d. How are various parts related to the whole?</p>	CO3	I
l	<p>Data Analysis is a process of?</p> <p>A. inspecting data C. cleaning data</p> <p>B. transforming data D. All of the above</p>	CO3	I
m	<p>Which technique is generally followed when the population is finite?</p> <p>a. Systematic Sampling Technique</p> <p>b. Purposive Sampling Technique</p> <p>c. Area Sampling Technique</p> <p>d. None of the above</p>	CO3	I
n	<p>A person is given a questionnaire for inquiring his health status, the data provided is</p> <p>—</p> <p>A) Primary B) Secondary C) Tertiary D) Indirect data E) Analytical data</p>	CO3	I
o	<p>Which of the following is true about regression analysis?</p> <p>A. answering yes/no questions about the data</p> <p>B. estimating numerical characteristics of the data</p> <p>C. modeling relationships within the data</p> <p>D. describing associations within the data</p>	CO3	I
p	<p>Which one among the following is the most comprehensive source of population data?</p> <p>a. Census c. National Sample Surveys</p>	CO4	I

No.	Question	CO	BT	Marks
	b. Demographic Health Surveys d. National Family Health Surveys			
q	What are the core elements of a dissertation? a. Introduction; Data Collection; Data Analysis; Conclusions and Recommendations b. Executive Summary; Literature Review; Data Gathered; Conclusions; Bibliography c. Research Plan; Research Data; Analysis; References d. Introduction; Literature Review; Research Methodology; Results; Discussions and Conclusions	CO4	I	1
r	SPSS software can also detect the magnitude of _____. A) Plagiarism B) Study design C) Research ethics D) Literature review	CO4	I	1
s	What would you expect to find in a methodology chapter in a piece of empirical research? a. Detail of the methodological approach taken b. Detail of the methods employed c. Detail of ethical considerations linked to the research project d. All of the above	CO4	I	1
t	Where is a literature review typically found in written-up research? a. Before the methodology chapter b. After the findings chapter c. In the appendices Integrated into the data analysis	CO4	I	1
2A	What are the different types of questions? What issues should be considered during the construction of a questionnaire ?	CO1	II	5
OR				
2B	What are the characteristics of a research? Explain how quantitative researches differ from qualitative research	CO2	III	5
3A	What do you mean by survey analysis ? What are the principles of survey research ?	CO3	II	5
OR				
3B	Differentiate Univariate and Bivariate analysis	CO3	III	5
4A	Write a short note on Paper writing and layout of research paper	CO4	III	5
OR				
4B	Discuss the ethical issues in plagiarism and self-plagiarism.	CO4	II	5