

Total No. of Questions: 3



Enrollment No.....

Faculty of Engineering
Mid Sem-I Examination Feb-2024
CS3ES15 Research Methodology

Programme: B.Tech.

Branch/Specialization: CSE

Duration: 1.5 Hrs.

Maximum Marks: 30

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	BI	CO	PO	PSO
	1	BI.4	CO1	PO2	
Q.1 i. Gathering knowledge that could aid in betterment of human density is known as: a) Historical research b) Case study c) Fundamental research d) Applied research	1				
ii. is always has a purpose a) Hypothesis b) Report c) Decision making d) Selection	1	BI.2	CO1	PO2	
iii. Good quality research design reduces the wastage of a) Time b) Cost c) Both a) & b) d) Complexity	1	BI.2	CO1	PO2	
iv. Areas that have significant scope for more research but they have not been tapped by other researchers is called..... a) Problem statement b) Literature review c) Research Gaps d) None of these	1	BI.2	CO2	PO2	
v. The researcher should ensure the availability of valid and reliable..... devices and procedures a) Control b) Alternative c) Data gathering d) Novelty	1	BI.3	CO2	PO2	

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- vi. When a researcher selects a problem for study from a given theory or principal in which he has considerable interest, is called
- Gap analysis
 - Exploratory research
 - Research problem
 - Research work
- Q.2 i. "Empirical research particular creates so many problems for the researchers". State the problems that are usually faced by such researchers.
- ii. "Research is much concerned with proper fact finding, analysis and evaluation." Do you agree with this statement? Give reasons in support of your answer
- iii. Explain research process on the basis of feed forward and feedback process.
- OR iv. List down some applications where qualitative methods of research are better than quantitative research techniques.
- Q.3 i. It is always better to identify the research problem out of your own interest, Why?
- ii. What is a gap analysis in research? Explain with suitable examples
- iii. Define the necessity of identifying the research problem. What are the various sources from which one can identify the research problem?
- OR iv. India is one of the largest user of mobile phones. Most of them uses camera on their mobiles. Though visual camera the mobile users get the pictures and upload it on social media. Do you think that there could be a common platform worldwide where before uploading the photo must be asked based on certain criteria's (like nature, environment, water resources, social service etc.) so as to be visible your photo worldwide?
Elaborate your answer in term of formulating the research problem.

1 BL3 CO2 PO2

2 BL5 CO1 PO1

3 BL4 CO1 PO3

7 BL2 CO1 PO3

7 BL3 CO1 PO4

2 BL5 CO2 PO2

2 BL2 CO2 PO4

8 BL3 CO2 PO1

8 BL5 CO2 PO4