

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14BT2046
Sub. Name : RESEARCH METHODOLOGY

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	List out the types research	CO 1	8
	b.	What is analytical type of research?	CO 1	6
	c.	How will you differentiate applied and basic research into three groups	CO 1	6
(OR)				
2.	a.	Write in detail about conceptual and empirical research	CO 1	7
	b.	How will you differentiate applied and basic research into three groups	CO 1	7
	c.	How will you design objectives for research?	CO 1	6
3.	a.	Write short notes in research problem?	CO 1	5
	b.	List out the steps provides a useful procedural guideline regarding the research process	CO 1	10
	c.	Discuss about the good characteristics of research	CO 1	5
(OR)				
4.	a.	Explain about the criteria for good research	CO 1	10
	b.	List out the stages of literature review	CO 1	10
5.	a.	Explain about the purpose of literature search	CO 1	5
	b.	Define abstract	CO 1	5
	c.	What is citation	CO 1	5
	d.	Write short notes on keywords	CO 1	5
(OR)				
6.	a.	Describe the characteristics of hypothesis	CO 2	10
	b.	Explain the importance of hypothesis in research	CO 2	5
	c.	Write short notes on : Manuscript	CO 2	5
7.	a.	Calculate the impact factor for the following journal based on the data given below A journal obtained 109 citations from the total of 271 articles published in a year	CO 2	4
	b.	List out the online search engines available to research articles in internet	CO 2	4
	c.	Explain about the role of survey, measurement and scaling in the research	CO 2	12
(OR)				
8.	a.	Discuss the difference between clinical research and controlled clinical trials	CO 2	8
	b.	Write short notes on ANOVA	CO 2	4
	c.	Define: Mean, Median, Mode and Standard deviation	CO 2	8

		<u>Compulsory:</u>		
9.	a.	Describe the methods of manuscript writing with explanations	CO 2	10
	b.	<p>The temperature in ° F on 20 days during the month of June was as follows: 70° F, 76° F, 76° F, 74° F, 70° F, 70° F, 72° F, 74° F, 78° F, 80° F, 74° F, 74° F, 78° F, 76° F, 78° F, 76° F, 74° F, 78° F, 80° F, 76° F</p> <p>a) What is the mode of the temperatures for the month of June? b) What is the average temperature in the month of June? c) Calculate the deviations in the temperature during the month? d) Calculate the median temperature in the month of June</p>	CO 2	10

ALL THE BEST