

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 : **14BT3014**  
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.	Write in detail about the importance of sample design and its types with suitable examples	CO2	20																						
(OR)																										
2.	a.	Explain in detail about the importance of measurement scales, classification and its impact on research.	CO2	20																						
3.	a.	Enumerate the importance and different methods of data collection in research.	CO2	20																						
(OR)																										
4.	a.	The following data are the height of 11 students. Calculate standard Deviation. 60, 61, 62, 63, 64, 70, 72, 70, 74, 80, 85	CO1	10																						
	b.	Find the coefficient of correlation between the age of husbands (X) and age of wives (Y) <table border="1"><tr><td>X</td><td>23</td><td>27</td><td>28</td><td>28</td><td>29</td><td>30</td><td>31</td><td>33</td><td>35</td><td>36</td></tr><tr><td>Y</td><td>18</td><td>20</td><td>22</td><td>27</td><td>21</td><td>29</td><td>27</td><td>29</td><td>28</td><td>29</td></tr></table>	X	23	27	28	28	29	30	31	33	35	36	Y	18	20	22	27	21	29	27	29	28	29	CO1	10
X	23	27	28	28	29	30	31	33	35	36																
Y	18	20	22	27	21	29	27	29	28	29																
5.	a.	Write in brief about Impact factor of journals	CO3	10																						
	b.	Report writing with suitable examples	CO3	10																						
(OR)																										
6.	a.	Give a brief account on various steps involved in thesis writing with necessary examples	CO3	20																						
7.	a.	Explain in detail the different levels of bio-safety and its importance in modern research in biotechnology	CO2	20																						
(OR)																										
8.	a.	Write in detail about national regulations of human and animal research and its ethics with suitable examples	CO3	20																						
<u>Compulsory:</u>																										
9.	a.	Give a detailed account on various steps involved in research process and design.	CO2	20																						

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