

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**M.A. DEGREE EXAMINATION – SOCIAL WORK****SECOND SEMESTER – APRIL 2023****PSW2MC02 – SOCIAL WORK RESEARCH AND STATISTICS**

Date: 04-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A – K1 (CO1)

	Answer ALL the questions	(5 x 1 = 5)
1.	Answer the following	
a)	What are the sources of knowledge?	
b)	Why Social Work Research is considered to be a method of Social Work?	
c)	Mention any four types of variables.	
d)	A table is a systematic arrangement of statistical data in _____	
e)	Compute range: 20,26,42,22,06,38,41,43,08,07	

SECTION A – K2 (CO1)

	Answer ALL the questions	(5 x 1 = 5)
2.	Answer the following	
a)	What is triangulation in data analysis?	
b)	_____ refers to the consistency of a measure and _____ refers to the accuracy of a measure.	
c)	The arithmetic mean is always the best measure of central tendency-(True/ False)	
d)	Standard Deviation was introduced by: a) Karl Marx b) Karl Max c) Karl Pearson d) Karl Person	
e)	Compute Mode : 20, 21, 3, 4, 5, 7, 4, 8, 3, 2, 4, 3, 7, 10, 4	

SECTION B – K3 (CO2)

	Answer any THREE of the following in 300 words	(3 x 10 = 30)														
3.	Identify the need and importance of Ethics in Social Research.															
4.	Explore the tools of Participatory Research Methods.															
5.	Describe the graphic presentation of data with Illustration.															
6.	Calculate standard deviation for the following data															
	<table border="1"> <thead> <tr> <th>Variables</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>5 – 10</td> <td>5</td> </tr> <tr> <td>10 – 15</td> <td>9</td> </tr> <tr> <td>15 – 20</td> <td>29</td> </tr> <tr> <td>20 – 25</td> <td>54</td> </tr> <tr> <td>25- 30</td> <td>11</td> </tr> <tr> <td>30 – 35</td> <td>5</td> </tr> </tbody> </table>	Variables	Frequency	5 – 10	5	10 – 15	9	15 – 20	29	20 – 25	54	25- 30	11	30 – 35	5	
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25- 30	11															
30 – 35	5															
7.	Explain the uses and limitations of statistics.															

SECTION C – K4 (CO3)

Answer any TWO of the following in 500 words **(2 x 12.5 = 25)**

8. List the various types of Research Design used in Social Research.

9. Compare the challenges faced by the researchers in administering Quantitative and Qualitative tools in Social Research.

10. Calculate the Correlation between 10 students marks in Social Case Work and Social Group Work

Marks (X)	35	40	42	47	51	54	19	49	30	63
Marks (Y)	44	52	57	36	50	46	34	58	42	71

11. Find the median for the following data:

Weekly Expenditure (in Rs.) : 0-10	10-20	20-30	30-40	40-50
No of Families : 14	23	27	21	15

SECTION D – K5 (CO4)

Answer any ONE of the following in 750 words **(1 x 15 = 15)**

12. Summarize the probability and non-probability sampling techniques used in Social Work Research.

13. 1000 students at college level are graded according to their IQ and their economic conditions. Use chi-square test to find out whether there is any association between economic conditions and the level of IQ

Economic conditions	Educational Qualification			
	High	Medium	low	Total
Rich	160	300	140	600
Poor	140	100	160	400
Total	300	400	300	1000

SECTION E – K6 (CO5)

Answer any ONE of the following in 1000 words **(1 x 20 = 20)**

14. Formulate a research proposal to address issue of drug addiction among school children.

15. Calculate Mean, Median and Mode for the following distributions

Rent(in Rs.)	No. of Houses
15-25	8
25-35	10
35-45	15
45-55	25
55-65	40
65-75	20
75-85	15
85-95	7
