LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A. DEGREE EXAMINATION – SOCIAL WORK

SECOND SEMESTER – APRIL 2022

PSW 2503 – SOCIAL WORK RESEARCH AND STATISTICS

Date: 17-06-2022   Dept. No.   Max. : 100 Marks
Time: 09:00 AM - 12:00 NOON

Part-A

Answer *all* questions. Each answer should not exceed 50 words.   **(10 x2 = 20)**

1. Define Social Work Research.
2. Define Hypothesis.
3. What is a Variable?
4. Define Research Design.
5. Expand the following;   A. KII   B. FGD
6. List out any four advantages of Diagrammatic Presentation of data in Social Work Research.
7. From the following observations, prepare a classified frequency distribution by exclusive method taking 5 as the magnitude of the class interval.

65	72	87	64	89	90	47	51	87	88	97
76	71	55	66	68	80	46	59	77	73	62
58	56	60	71	82	81	91	93	92	86	75

8. Calculate Range and Coefficient of Range to the following data.

Marks	68	72	84	96	85	66
Frequency	15	12	10	14	8	6

9. Find out Arithmetic Mean from the following data:

Wages (Rs.)	6875	4582	5487	6984	6321	4590	4782	3850

10. State any four functions of Statistical Packages for Social Sciences (SPSS).

Part -B

Answer any *Four* questions. Each answer should not exceed 300 words.   **(4 x 10 = 40)**

11. Highlight the differences between Quantitative Study and Qualitative Research Methods
12. Discuss in detail the ethical issues in social work research.
13. Elaborate the process of defining your Research problem.
14. Find the Median for the following data.

X	6	12	18	24	30	36
F	1	5	6	7	10	15

15. Calculate the Mode for the following data.

Income (Rs.)	10-20	20-30	30-40	40-50	50-60	60-70	70-80
No.of Persons	24	42	56	66	109	130	154

16. Calculate Karl Pearson Correlation coefficient from the following data.

X	9	8	7	6	5	4	3	2	1
Y	15	16	14	13	11	12	10	8	9

Part -C

Answer any *Two* questions. Answer should not exceed 600 words.   **(2 x 20 = 40)**

17. Discuss in detail the probability and non-probability sampling methods.
18. Explain with examples the Participatory Research Methods in Qualitative Research.
19. Calculate Standard Deviation from the following data.

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	8	11	16	12	9	4

20. From the data given below about the Social Network Users of 100 patients suffering from Psychological Problems, state whether the Male Addict is superior to the Female Addict by applying Chi-square test. (Table value for 1 df at 5% level = 3.841).

Social Network Users	Psychological Problems	
	Facing	**Not Facing**
Male Addict	42	14
Female Addict	35	9

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