



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A.DEGREE EXAMINATION – SOCIAL WORK

SECOND SEMESTER – APRIL 2018

17PSW2MC02- SOCIAL WORK RESEARCH AND STATISTICS

Date: 19-04-2018
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

SECTION A

Answer all questions, each question in not more than 50 words.

10 x 2 = 20

1. List out the objective of Social Work Research.
2. Mention any four types of “Validity”.
3. Differentiate inductive and deductive approach in research.
4. What are the steps involved in Hypothesis Testing?
5. Differentiate descriptive and inferential statistics.
6. List out the functions of Statistics.
7. Represent the following data using bar diagram and pie char.

Company	A	B	C	D	E	F
Number of Employees	150	200	250	350	200	100

8. Distinguish between with suitable example.
 - (i) Continuous and discrete frequency
 - (ii) Exclusive and Inclusive class interval
9. Find the range and coefficient of range for the following list of values:
10, 12, 13, 14, 15, 16, 17, 18, 19, 12, 15, 15, 15
10. Calculate the arithmetic mean for the following data.

Marks	0-20	20-40	40-60	60-80	80-100
Frequency	05	19	29	22	11

SECTION B

Answer any four questions, each question in not more than 300 words. 4 x 10 = 40

11. Elucidate the importance of Research ethics and Research Ethics committee in Social Work Research.
12. Briefly describe the merits and demits of using questionnaire as a tool for data collection.
13. Differentiate between Descriptive and Explorative Research Design.
14. Discuss in detail the types and importance of diagrammatic & graphical presentation of data with illustrations.

15. For the following scores, compute the mean, median, mode and range. 12, 14, 8, 21, 22, 12, 16, 10
16. Calculate Karl Pearson correlation between the heights and weight given below.

Height in inches	57	59	62	63	64	65	55	58	57
Weight in kg	113	117	126	126	130	129	111	116	112

SECTION C

Answer any two questions, each in not more than 600 words.

2 x 20 = 40

17. Explain in detail the probability and non-probability sampling techniques with suitable examples.
18. Write a research proposal to study the health issues of migrant labourers working in Chennai.
19. Calculate the Mean and Standard deviation for the following data:

Income	20-40	40-60	60-80	80-100	100-120	120-140	140-160	160-180	180-200
No. of Persons	6	9	11	14	20	15	10	8	7

20. Out of 8000 students in a town, 800 are females: out of 1,600 graduate employees 120 are female. Use chi-square to determine if any distinction is made in appointment on the basis of sex. Value of Chi square for 5% level for one degree of freedom is 3.84.

	Employed	Unemployed	Total
Male	1480	5720	7200
Female	120	680	800
	1600	6400	8000

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