LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A. DEGREE EXAMINATION – SOCIAL WORK

SECOND SEMESTER – APRIL 2015

SW 2812 - SOCIAL WORK RESEARCH & STATISTICS

Date : 18/04/2015   Dept. No.   Max. : 100 Marks
Time : 01:00-04:00

SECTION - A

Answer ALL the questions.   Each answer should not exceed 50 words.

(10x2=20 Marks)

1. Define 'Social research'.
2. Differentiate between primary and secondary data.
3. What is Case Study?
4. List out the functions of Social Work research.
5. What is inductive and deductive approach in social research?
6. List out the different types of dispersion.
7. Calculate Mean for the following data:
1. Age: 30,40,45,37,48,52,36,43,51,34.
8. Define statistics.
9. Expand: SPSS, ANOVA.
10. Calculate the Range for the following data:

    Daily income of a casual laborer from Monday to Saturday
    Rs. 300, 350,400,420, 370, 310.

SECTION - B

Answer any FOUR questions.   Each answer should not exceed 300 words

(4x10=40 Marks)

11. Explain qualitative methods of data collection.
12. Describe and classify triangulation.
13. Elucidate the importance of research ethics.
14. Explain the importance and uses of statistics.
15. Calculate Mean, Median & Mode for the following data:

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

16. Determine the standard deviation for the following frequency distribution:

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	11	13	16	14	14	09	17	06	04

SECTION - C

Answer anyTWO Questions. Each answer should not exceed 600 words.

(2x20=40 Marks)

17. Explain in detail probability and non-probability sampling techniques.
18. Give a detailed description on 'Research Design'.
19. Illustrate the various types of diagrammatic and graphical presentation of data.
20. There is a general belief that high income families send their children to private schools and low income families often send their children to government schools. To verify this 1,600 families were selected at random in a city and the following results were obtained:

INCOME	PRIVATE SCHOOL	GOVERNMENT SCHOOL	TOTAL
LOW	506	494	1000
HIGH	438	162	600
TOTAL	944	656	1600

Test whether income and type of schools are independent. For $v=1$, $x^2_{0.05}=3.84$