LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.A. DEGREE EXAMINATION - SOCIAL WORK

SECOND SEMESTER – NOVEMBER 2013

SW 2812 - SOCIAL WORK RESEARCH & STATISTICS

Date : 08/11/2013   Dept. No.   Max. : 100 Marks
Time : 1:00 - 4:00

PART- I

SECTION – A   **5x2=10 Marks**

Answer all the questions not exceeding 50 words.

1. State any four objectives of Social Work Research.
2. Differentiate Primary Data from Secondary Data.
3. Define Hypothesis.
4. What do you mean by Snow-ball Sampling?
5. Mention any two types of Observation.

SECTION - B   **2x10=20 Marks**

Answer any TWO of the following questions not exceeding 300 Words.

6. Discuss the Scope of Social Work Research in India.
7. Highlight the procedures to construct Hypothesis.
8. Write a short note on Stratified Random Sampling.
9. Discuss the advantages and disadvantages of Questionnaire Method.

SECTION – C   **1x20=20 Marks**

Answer any ONE of the following questions not exceeding 600 words.

10. Define Social Work Research. Discuss the objectives, features and importance of Social Work Research.

11. Prepare a tentative Interview Schedule for the Study on "Problems faced by Women Workers in Stone Quarry at Pallavaram, Chennai".

PART – II

Answer all questions. All questions carry equal marks.   **5 x 2 = 10 Marks**

12. State any four uses of Statistics in Social Work Research.

13. Prepare a frequency distribution for the following observation

40	86	68	62	53	42	74	35	69	62	40	90
86	29	39	30	73	62	35	34	40	74	90	86
53	40	35	40	35	62	74	35	62	40	62	86

14. Find out the Range and its coefficient from the following data.
    10,   9,   12,   17,   15,   5,   10,   13

15. Represent the following data by a Histogram

0-10	10 -20	20 – 30	30 – 40	40 – 50	50 – 60
12	28	40	26	14	8

16. Write a short note on SPSS.

SECTION – B

Answer any TWO questions. All questions carry equal marks.   **2 x 10 = 20 Marks**

17. Discuss the various types of Diagrammatical and Graphical representation of data with suitable examples.

18. Compute Median of 10 persons whose income is rupees given below.

X	35	28	52	60	45	68	25	12	34	57
F	8	6	7	5	4	9	12	10	10	14

19. Calculate the Arithmetic Mean for the following distribution

0 – 10	10 - 20	20 -30	30 – 40	40 – 50	50 – 60	60 - 70
12	23	10	35	18	22	20

20. Calculate correlation coefficient from data of illustration 3 by the direct method, ie. Without taking the deviations of items from actual or assumed mean.

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

SECTION – C

21. A certain medicine is claimed to be effective in curing cold in an experiment among 500 persons with cold, half of them were given the medicine and half of them were given the sugar pills. The patients' reactions to the treatment are recorded in the following table.

Treatment	Cured	Not Cured	No Effect	Total
Medicine	150	30	70	250
Sugar Pills	130	40	80	250
Total	280	70	150	500

       on the basis of the data can it be concluded that there is significant difference in the effect of the medicine and the sugar pills? (Table Value = 5.99 at 5 % level).

22. Calculate Spearman's coefficient of correlation between marks assigned to ten students by Judges X and Y in a certain competitive test as shown below:

Marks by Judge X	52	53	42	60	45	41	37	38	25	27
Marks by Judge Y	65	68	43	38	77	48	30	32	25	50

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