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RF-5021-22

M. L. W. (Part - I) Examination

April / May – 2010

Survey Methods & Labour Statistics

(Old Course)

Time : **3** Hours] [Total Marks : **70**

RF-5021

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :
☛ M. L. W. - 1

Name of the Subject :
☛ SURVEY METHODS & LABOUR STATISTICS (OLD)

☛ Subject Code No. : 5 0 2 1 ☛ Section No. (1, 2,.....) : 1

Seat No. :

Student's Signature

(2) Figurs to the right indicate full marks of the question.

(3) Answer to the two sections should be written in separate answer books.

1 What are the different methods of survey? What are the advantages and disadvantages of data collection through questionnaire? **14**

OR

1 (i) Explain : Components of Report writing. **14**

(ii) Explain : Primary and secondary data.

2 "The success of survey depends on the abilities of a person to plan and execute social survey." Discuss in detail. **14**

OR

2 What is random sampling? Discuss different methods of sampling. **14**

3 Write short note on any one : **7**

(i) Difference between social research and social survey

(ii) Types of hypothesis

(iii) Non-probability samples.

RF-5022

Instructions :

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fillup strictly the details of ☛ signs on your answer book.

Name of the Examination :

☛ **M. L. W. - 1**

Name of the Subject :

☛ **SURVEY METHODS & LABOUR STATISTICS (OLD)**

☛ Subject Code No. : **5 0 2 2** ☛ Section No. (1, 2,.....) : **2**

Seat No. :

Student's Signature

(2) Figurs to the right indicate full marks of the question.

(3) Answer to the two sections should be written in separate answer books.

4 (a) What is the meaning of statistics ? Explain the limitations of statistics. **7**

(b) State the chief sources of secondary data. What precautions are to be observed when such data are to be used for any investigation? **7**

OR

4 (a) What are the measures of central tendency? Among all the measures of central tendency, which one is the best? Why? **6**

(b) The frequency distribution of a weekly salary of 260 workers of a factory is given below : **8**

Daily Wages (Rs.)	75 – 79	80 – 84	85 – 89	90 – 94	95 – 99	100 – 104	105 – 109	110 – 114
No. of Workers	18	30	42	50	48	32	20	20

(i) Obtain the interval of the salary of the middle 50% workers.

(ii) What is the median salary (wages)?

5 (a) What is dispersion? What are the measures of dispersion? Discuss standard deviation. **6**

(b) The following data are obtained about two factories. 8

	Factory A	Factory B
No. of workers	550	600
Average daily salary (In Rs)	60	48.5
S.D. of salary (in Rs.)	10	12

(i) Which factory pays more salary (Total salary)?

(ii) Which factory is more reliable?

(iii) Obtain combined mean (X_{12}) and combined S.D.

OR

5 (a) What is correlation? Explain the method of Spearman's rank correlation method. **5**

(b) Calculate Karl Pearson's coefficient of correlation for the following information.

x :	72	76	88	62	81	56	76
y :	24	17	21	12	32	10	20

(c) Obtain $\bar{x}$, $\bar{y}$ and r from the following two regression equations 4

$x + 2y - 5 = 0, \quad 2x + 3y - 8 = 0$

6 Write short note on any one : **7**

(a) Sources of labour statistics in India.

(b) Construction of an index number

(c) Method of scatter diagram.