

2022

1st Semester Examination

SOCIOLOGY

Paper : SOC 104

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any **four** of the following questions : $5 \times 4 = 20$

1. Define dependent and independent variables with examples.
2. Draw an ogive from the following data.

Class Interval	50-60	60-70	70-80	80-90	90-100
Frequency	12	12	15	8	5

3. Calculate median.

4, 6, 2, 10, 16, 15, 30, 24, 21, 17, 3, 33, 29

4. Write a brief note on the levels of measurement.

P.T.O.

5. (a) which correlation coefficient below indicates the strongest relationship? 1

(i) + 0.89 (ii) - 0.58 (iii) + 0.68

(b) Percentage the following table down and interpret the data. 4

Drug use	College grade point average		
	Low	Moderate	high
High	0	5	15
Moderate	15	10	10
low	10	5	5

6. Define true limits and mid points with examples.

Group - B

Answer any *two* of the following questions : 10×2=20

7. What are the measures of central tendency? Calculate mean from they following table. 2+8

Class Interval	100-150	150-200	200-250	250-300	300-350	350-400	400-450
Frequency	20	30	45	60	40	25	10

8. Define range. Calculate mean deviation from following monthly income of labourers. 2+8

Monthly Income (in Rs.)	1000-3000	3000-5000	5000-7000	7000-9000	9000-11000
Number of persons	1	3	6	3	4

9. What do you mean by correlation? Calculate r for the following pair. 3+7

Age	Income (in Rs.)
40	7000
32	46000
21	33000
36	30000
51	31000

10. Define hypothesis with example. Calculate the relation between the effects of religion on political ideology with the level of significance 0.05. 4+6

Religion \ Ideology	Islam	Hinduism	Christianity	Total
Conservative	126	61	38	225
Liberal	71	93	69	233