K21U 6816



- 13. What is the importance of rank correlation coefficient?
- 14. Explain factor reversal test.

E. - Regular/Supplementary/

15. What is meant by deflating index numbers?

PART - C

Answer any 4 questions. Each carries 4 marks :

 $(4 \times 4 = 16)$

- Discuss the advantages of sampling methods over the census method of collecting statistical information.
- 17. Draw a frequency polygon from the following frequency distribution :

Class	50-59	60-69	70-79	80-89	90-99	100-109	110-119
Frequency	8	10	16	14	10	5	2

- 18. The arithmetic mean of two numbers is 13 and their geometric mean is 12. Find the numbers and their harmonic mean.
- 19. Write a short note on Lorenz curve.
- Given that the mean of a distribution is 5, variance is 9 and moment measure
 of skewness is −1. Obtain the first three moments about origin.
- 21. Show that correlation coefficient always lies between -1 and 1

PART - D

Answer any 2 questions. Each carries 6 marks :

2×6=12)

22. Goals scored by two teams A and B in a football season were as follows. Which team is more consistent?

No. of goals scored in	No. of matches			
a match	Α	В		
0	27	17		
1	9	9		
2	8	6		
3	5	5		
4	4	3		

- 23. Derive the formula for Spearman's rank correlation coefficient.
- 24. Explain the uses and limitations of index numbers.
- 25. What are tests to be satisfied by a good index number ? Explain them with suitable examples.