

Subject Title: Business Statistics-II

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Year: II

Semester: IV

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Unit - I: Regression.

1. What is Regression? Difference between Regression and Correlation.
2. What are the Properties and limitations of Regression?
3. Problems: Refer Text book page number:A-10 to A-13- 1,3,5,8,9,10,12,13,16,17,19,20.

Unit - II: Index Numbers.

4. What is Index Numbers? What are the uses and Limitations of Index Numbers?
5. What are the Types of Index Numbers?
6. Explain about Test of Consistency.
7. Problems: Refer Text book page number:B-16 to B-22-1,3,4,7,8,10,14,16,18,19,20,21,23.
page number:B-31 to B-34-1,4,5,6,8,10,12,14,15,16,17,19,20,21.
page number:B-39 to B-43 1,3,5,7,9,11,13,15,16,17,18,22.

Unit - III: Time Series.

8. Define Time Series and Objectives and Utility of Time Series.
9. What are the Components of Series?
10. What is Seasonal Variation and its Characteristics.
11. What is measurement of trend?
12. Problems: Refer Text book page number:c-25 to c-27-1,3,4,6,7,11,13,15,18,20,22,25,27,28.
page number:c-33 to c-35-2,3,5,6,8,10,12,13,16,18,21.
page number:B-46 to B-49-2,4,6,8,10,11,13,14,16,18,.20,21.

Unit - IV: Probability

13. What is the Definition of finite and infinite set & Subset and Power set?
14. State Demorgan's Laws.
15. What are the differences between Permutation and Combination?
16. Explain in brief about Exhaustive, Mutually Exclusive, equally likely and independent events.
17. Explain Classical or Mathematical of Probability.

18. Explain Conditional Probability.
19. Problems: Refer Text book page number:D-4 –all problems
page number:d-7-all problems.
page number:D-9-all problems
page number: E-8- 1,24,5,7,10,11,14,15
page number: E-11-all problems
20. Problems:ReferTextbookpagnumber:F-18toF-23-
2,3,5,8,9,12,15,17,20,21,23,25,30,32,37,38,40,42,47,53,57.

Unit - V : Theoretical distribution

21. Write Definitions of Binomial, Poission and Normal Distributions.
22. What are the Properties of above distributions?
23. Write Differences between Binomial, Poission distributions?
24. Problems:ReferTextbookpagnumber:G-11:1,3,4,6,9,12,1416,18,20,21,22.
25. Problems:ReferTextbookpagnumber:G-17 to 18:1,2,4,5,6,8,11,13,15,17.
26. Problems:ReferTextbookpagnumber:G-30:1,3,4,5,6,7,9,11,1315,19,22,25.

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