

Objective:

The objective of this assignment is to provide basic knowledge to the student in application of algebra and calculus in business.

Questions:

1. Arithmetic mean between two number is 15 and geometric mean is 9. Find the numbers
2. How many different words can be formed with the letter of the word LOGARITHMS so that vowels are never come together.
3. An amount of 10,000 is put into three investment at the rate of 10,12 &15 percent p.a. the combined income is 1310 and combined income of first and second is 190 short than third income. Find the amount of investment in each using matrix inverse method.
4. Find consumer and producer surplus under pure competition if demand function $P = \frac{8}{x+1} - 2$ and supply function $P = x + \frac{3}{2}$. P and x are price and output respectively.
5. Define cost function , revenue function & profit function with an example. Write the condition of maximization and minimization of function.

Procedure:

The students should refer to the books mentioned in references and they can also take help from internet. The assignment should be handwritten and properly filled. Students should cover all these headings in their assignments.

- Index
- Introduction
- Objective of the assignments
- Assignment questions with answers
- Conclusion
- References

Outcome:

After completing the assignment, students will understand the various basic concept of business mathematics, and will be able to perform better in the subject.

Reference Books.

1. J.K.THUKRAL, BUSINESS MATHEMATICES, SCHOLAR TECH PRESS.