

[This question paper contains 6 printed pages.]

Sr. No. of Question Paper : 1850

Roll No.....

Unique Paper Code : 248202

Name of the Course : B.A. (Hons.) Business Economics

Name of the Paper : Mathematics for Business and Economics

Semester : II (2015)

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt all questions.
3. Use of simple calculator is allowed.

1. Attempt any two:

(a) Prove that if the distance from a point (x, y) to the point $(-2, 0)$ is twice the distance from (x, y) to $(4, 0)$, then (x, y) must lie on the circle with centre $(6, 0)$ and radius 4.

This question is correct.

(b) The total cost Y of producing X units of some commodity is a linear function. Records show that on one occasion 100 units were made at a total cost of Rs. 200 and on another occasion 150 units were produced at the total cost of Rs. 275.