

## KEAM 2024 Mathematics Model Question Paper PDF 1

- In a linear programming problem, the restrictions under which the objective function is to be optimized are called as?
  - Decision Variables
  - Objective Function
  - Constraints
  - Integer Solution
  - Optimal Solutions
- A college awarded 38 medals in football 15 in basketball and 20 in cricket. If these medals went to a total of 58 men and only three men got medals in all three sports, how many received medals in exactly two of the three sports?
  - 3
  - 18
  - 58
  - 15
  - 9
- If three complex numbers, are in AP they lie on
  - a circle
  - a straight line
  - an ellipse
  - the vertices of a triangle
  - a parabola
- A convex polygon has 44 diagonals the number of its sides is
  - 4
  - 8
  - 11
  - 9
  - 16
- The mean and standard deviation of 100 observations were calculated as 40 and 5.1, respectively by a student who took by mistake 50 instead of 40 for one observation. The correct standard deviation is
  - 5
  - 4.9

- c) 5.1
- d) 5.2
- e) 5.11

