

# MCQ Quadratic Equations

1. Standard form of Quadratic equation:
  - i.  $ax^2+bx+c = 0$
  - ii.  $ax^2 + bx+c$
  - iii.  $ax+bx+c=0$
2. The factors of  $x^2-3x - 10$ 
  - i.  $(x-5)(x+3)$
  - ii.  $(x-3)(x+5)$
  - iii.  $(x-3)(x-5)$
3. Which of the following is not a quadratic equation
  - i.  $x^2 + 3x-5=0$
  - ii.  $x^2+x^3+2=0$
  - iii.  $3+x+x^2=0$
  - iv.  $x^2-9=0$
4. The quadratic equation has degree
  - i. 0
  - ii. 1
  - iii. 2
  - iv. 3
5. The cubic equation has degree
  - i. 1
  - ii. 2
  - iii. 3
  - iv. 4
6. The discriminant of the quadratic equation  $px^2+qx+r=0$  is
  - i.  $q^2-4pr$
  - ii.  $q^2+4pr$
  - iii.  $q^2-4r$
  - iv.  $q^2-4p$
7. The polynomial equation  $x(x+1)+8=(x+2)(x-2)$  is
  - i. linear equation
  - ii. quadratic equation
  - iii. cubic equation
  - iv. bi-quadratic equation
8. The equation  $(x-2)^2+1=2x-3$  is a
  - i. linear equation
  - ii. quadratic equation
  - iii. cubic equation
  - iv. bi-quadratic equation
9. Write the quadratic equation  $2x+3=x^2+1$  in standard form
  - i.  $x^2-2x-2=0$
  - ii.  $x^2+2x-2=0$
  - iii.  $x^2=2x-2=0$
  - iv.  $x^2+2x+2=0$