

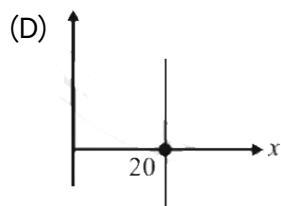
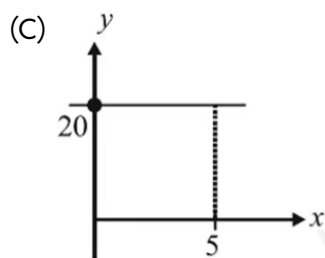
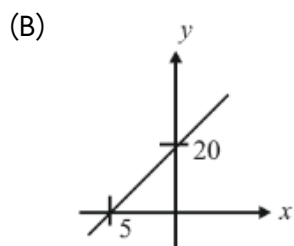
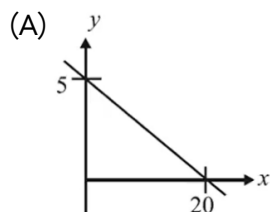
Yakeen NEET 2.0 (2026)

Physics by MR Sir

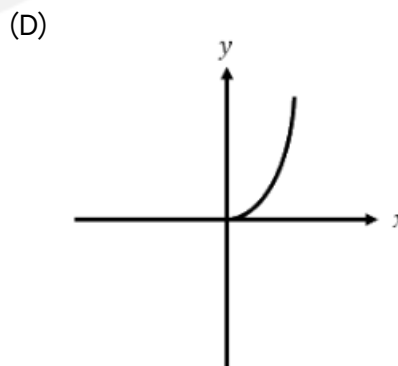
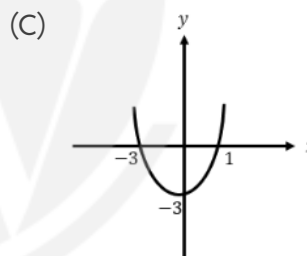
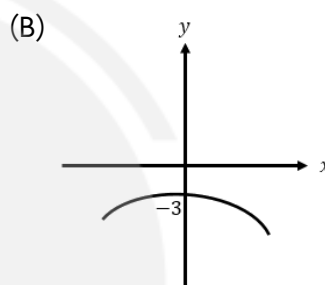
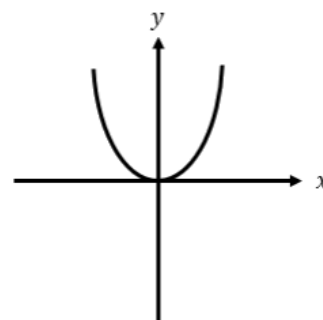
Basic Maths & Calculus (Mathematical Tools)

DPP: 6

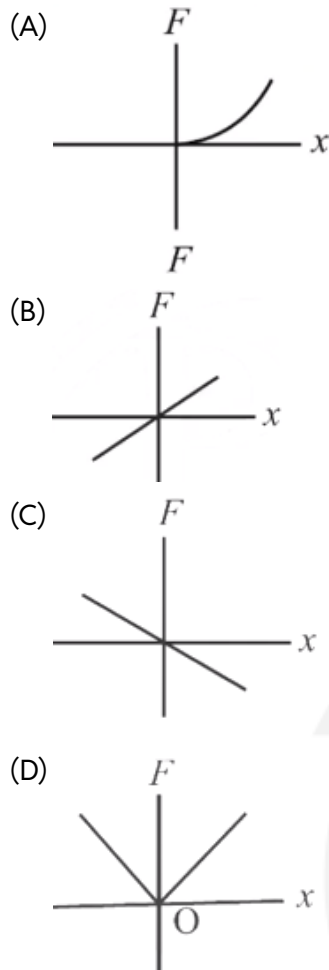
Q1 In which of the following graph slope is +4.

Q2 If $y = x^2 + 2x - 3$, $y - x$ graph is

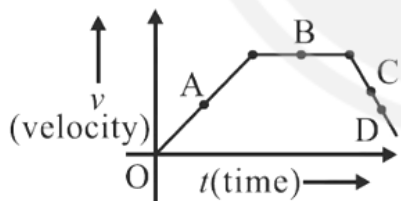
(A)

Q3 The spring force is given by $F = -kx$, here k is a constant and x is the deformation of spring.

The $F - x$ graph is



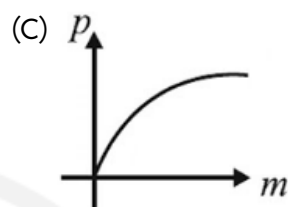
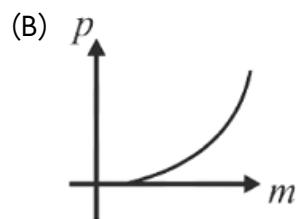
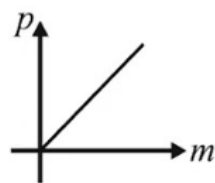
Q4 The slope of $v - t$ is zero at point:



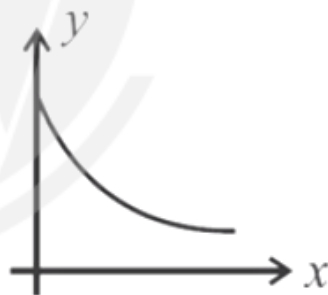
- (A) A (B) B
(C) C (D) D

Q5 Draw graph between momentum (p) and mass (m) of the object for constant kinetic energy E [$P = \sqrt{2mE}$]

(A)



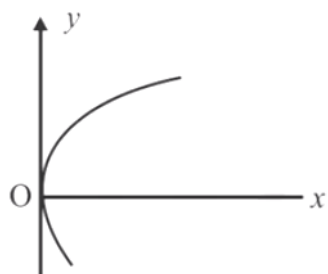
Q6 Which of the following equation is the best representation of the given graph?



- (A) $y = \frac{2}{x}$
(B) $y = e^{-x}$
(C) $y = \frac{1}{x^2}$
(D) $y = x^2$

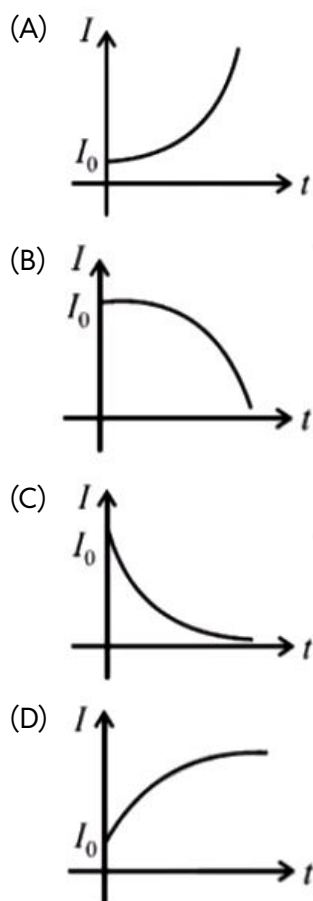
Q7 At $x = 0$, value of slope is:





- (A) 0
(B) 1
(C) -1
(D) Infinite

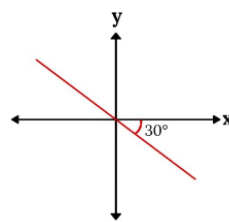
Q8 The variation of current flow in a circuit is given as $I = I_0 e^{-t/RC}$. The graph representing I vs t will be



Q9 The line $4x - 9y = 11$ meets y -axis at the point :

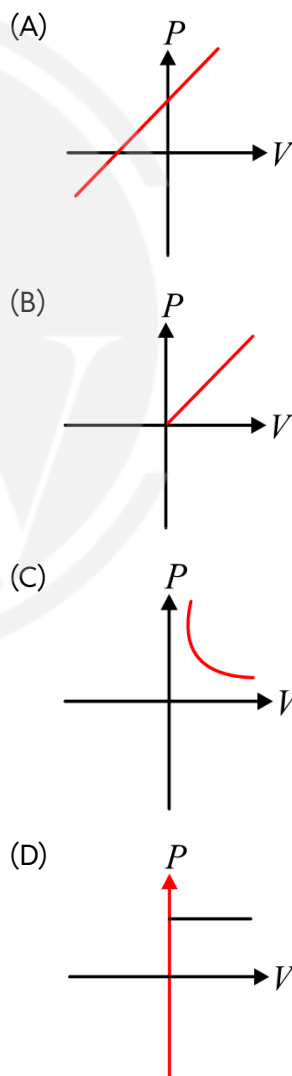
- (A) $(-\frac{11}{9}, 0)$
(B) $(0, -\frac{11}{9})$
(C) $(0, \frac{11}{4})$
(D) $(0, -\frac{11}{4})$

Q10 $x - y$ equation for the graph given below is:



- (A) $y = -\frac{x}{\sqrt{3}}$
(B) $y = \frac{x}{\sqrt{3}}$
(C) $y = \frac{x}{\sqrt{3}} + 1$
(D) $y = \frac{-x}{\sqrt{3}} - 1$

Q11 If Linear momentum $P = mV$ then draw graph between P and V .



Q12 Find the solutions of given equation:

$$2x^2 + 3x - 2 = 0$$

(A) $x = -3, \frac{1}{2}$

(B) $x = 3, \frac{1}{2}$

(C) $x = -2, \frac{1}{2}$

(D) $x = 2, \frac{1}{2}$

Q13 The equation $x^2 + 8x + 12 = 0$ has

(A) No root

(B) One root

(C) Two roots

(D) Four roots



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Answer Key

Q1 (B)

Q2 (C)

Q3 (C)

Q4 (B)

Q5 (C)

Q6 (B)

Q7 (D)

Q8 (C)

Q9 (B)

Q10 (A)

Q11 (B)

Q12 (C)

Q13 (C)



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