10.  $\frac{a_1}{a_2} \neq \frac{b_1}{b_2}$  की स्थित में, रैखिक समीकरण युग्म : (A) संगत होता है

(B) असंगत होता है (D) इनमें से कोई नहीं

11. त्रिघात बहुपद का सबसे व्यापक रूप है : '

(A)  $ax^2 + bx + c$ 

(B)  $ax^4 + bx^3 + c$ 

(C)  $ax^3 + bx^2 + cx + d$  (D)  $ax^2 + bx^2 + c$ 

12. यदि α, β द्विधात बहुपद  $f'(x) = x^2 - 5x + 7$  के मृल हों, तो  $\frac{1}{\alpha} + \frac{1}{\beta}$ का मान होगा:

(A)  $-\frac{5}{7}$  (B)  $\frac{5}{7}$  (C)  $\frac{7}{5}$  (D)  $-\frac{7}{5}$ 

(C) दोनों

**13.** द्विघात बहुपद  $6x^2 - 7x - 3$  के शुन्यक होंगे :

(A)  $\left(\frac{3}{2}, \frac{1}{3}\right)$  (B)  $\left(-\frac{3}{2}, \frac{1}{3}\right)$  (C)  $\left(\frac{3}{2}, \frac{1}{3}\right)$  (D)  $\left(-\frac{3}{2}, \frac{-1}{3}\right)$ 

14. यदि  $\alpha$  तथा  $\beta$  द्विघात बहुपद  $f(x) = x^2 + 2x + 3$  का भूल हो. तो  $\frac{1}{\alpha} + \frac{1}{\beta}$  on मान होगा:

(A)  $\frac{3}{2}$ 

(B)  $-\frac{2}{3}$  (C)  $\frac{2}{3}$  (D)  $-\frac{3}{3}$ 

15. दो रैखिक समीकरणों के आलेख प्रतिच्छेदी रेखाएँ हैं, तब रैखिक समीकरण युग्म का :

(A) कोई हल नहीं है (B) एक हल है

(C) दो हल है

(D) अंतत: अनेक हल है

16. निम्नलिखित में कौन परिमेय संख्या है ?

(A) √3

(B)  $\frac{2\sqrt{2}}{\sqrt{2}}$  (C)  $4+\sqrt{5}$  (D)  $\sqrt{16}$ 

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**Peipei Pang** 

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