

Attempt ..... questions

- 1 H.F.C. of  $x^2 - 5x + 6$  and  $x^2 - x - 6$  is .....  $x^2 - 5x + 6$  اور  $x^2 - x - 6$  کا عدا اعظم ہے..... <sup>1</sup>
- a)  $x - 3$                       b)  $x + 2$                       a)  $x - 3$                       b)  $x + 2$   
c)  $x^2 - 4$                       d)  $x - 2$                       c)  $x^2 - 4$                       d)  $x - 2$
- 2 What should be added to complete the square of  $x^4 + 64$ ? .....  $x^4 + 64$  جملہ میں کیا جمع کیا جائے کہ مکمل مربع بن جائے؟..... <sup>2</sup>
- a)  $8x^2$                       b)  $-8x^2$                       a)  $8x^2$                       b)  $-8x^2$   
c)  $16x^2$                       d)  $4x^2$                       c)  $16x^2$                       d)  $4x^2$
- 3 L.C.M. of  $15x^2$ ,  $45xy$  and  $30xyz$  is .....  $15x^2$ ,  $45xy$  اور  $30xyz$  کا اضعاف اقل ہے..... <sup>3</sup>
- a)  $90xyz$                       b)  $90x^2yz$                       a)  $90xyz$                       b)  $90x^2yz$   
c)  $15xyz$                       d)  $15x^2yz$                       c)  $15xyz$                       d)  $15x^2yz$
- 4 Simplify  $\left(\frac{2x+y}{x+y} - 1\right) \div \left(1 - \frac{x}{x+y}\right)$   $\left(\frac{2x+y}{x+y} - 1\right) \div \left(1 - \frac{x}{x+y}\right)$  کا اختصار ہے..... <sup>4</sup>
- a)  $\frac{x}{x+y}$                       b)  $\frac{y}{x+y}$                       a)  $\frac{x}{x+y}$                       b)  $\frac{y}{x+y}$   
c)  $\frac{y}{x}$                       d)  $\frac{x}{y}$                       c)  $\frac{y}{x}$                       d)  $\frac{x}{y}$
- 5 H.C.F. of  $x^3 + 3x + 2$ ,  $x^2 + 4x + 3$ , and  $x^2 + 5x + 4$  is .....  $x^3 + 3x + 2$ ,  $x^2 + 4x + 3$  اور  $x^2 + 5x + 4$  کا عدا اعظم ہے..... <sup>5</sup>
- a)  $x + 1$                       b)  $(x + 1)(x + 2)$                       a)  $x + 1$                       b)  $(x + 1)(x + 2)$   
c)  $x + 3$                       d)  $(x + 4)(x + 1)$                       c)  $x + 3$                       d)  $(x + 4)(x + 1)$
- 6 H.C.F.  $a^3 + b^3$  and  $a^2 - ab + b^2$  is .....  $a^3 + b^3$  اور  $a^2 - ab + b^2$  کا عدا اعظم ہے..... <sup>6</sup>
- a)  $a + b$                       b)  $a^2 - ab + b^2$                       a)  $a + b$                       b)  $a^2 - ab + b^2$   
c)  $(a - b)^2$                       d)  $a^2 + b^2$                       c)  $(a - b)^2$                       d)  $a^2 + b^2$
- 7 Simplify  $\frac{a^3 - b^3}{a^4 - b^4} \div \frac{a^2 + ab + b^2}{a^2 + b^2} = \dots\dots$   $\frac{a^3 - b^3}{a^4 - b^4} \div \frac{a^2 + ab + b^2}{a^2 + b^2} = \dots\dots$  کا اختصار ہے..... <sup>7</sup>
- a)  $\frac{1}{a+b}$                       b)  $\frac{1}{a-b}$                       a)  $\frac{1}{a+b}$                       b)  $\frac{1}{a-b}$   
c)  $\frac{a-b}{a^2+b^2}$                       d)  $\frac{a+b}{a^2+b^2}$                       c)  $\frac{a-b}{a^2+b^2}$                       d)  $\frac{a+b}{a^2+b^2}$
- 8 The square root of  $x^4 + \frac{1}{x^4} + 2$   $x^4 + \frac{1}{x^4} + 2$  کا جذر المربع ہے..... <sup>8</sup>
- a)  $\pm\left(x + \frac{1}{x}\right)$                       b)  $\pm\left(x^2 + \frac{1}{x^2}\right)$                       a)  $\pm\left(x + \frac{1}{x}\right)$                       b)  $\pm\left(x^2 + \frac{1}{x^2}\right)$   
c)  $\pm\left(x - \frac{1}{x}\right)$                       d)  $\pm\left(x^2 - \frac{1}{x^2}\right)$                       c)  $\pm\left(x - \frac{1}{x}\right)$                       d)  $\pm\left(x^2 - \frac{1}{x^2}\right)$