

Time: 10 Minutes	Paper Math 8 (T-1)	Total Marks: 10
4th Month, 1st Week, 4th Day	Exercise 2.7, 2.8 Complete	

Q.1. Choose the correct options. (1 x 4 = 4) درست جواب کا انتخاب کریں۔

(i) What is the factorization of $xy + xz$ کی تجزی کیا ہے:

(a)	$z(x+y)$	(b)	$y(x+z)$	(c)	$x(y+z)$	(d)	x^2+y^2
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(ii) $4x^3 + 3x^2 + 2x =$ _____.

(a)	$x(4x^2+3x+2)$	(b)	$2x^2\left(4x+3+\frac{2}{x}\right)$	(c)	$2x(x^3+3x+2)$	(d)	$2x^2\left(x+\frac{3}{x}+\frac{2}{x^2}\right)$
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(iii) $xy^4 - 3xy^3 - 6xy^2 =$ _____.

(a)	$xy(x^2-3x+6)$	(b)	$xy(x^3-4x+6)$	(c)	$yz(x^2+3x+6)$	(d)	$xy^2(y^2-3y-6)$
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(iv) Factorization of $x^2 - 7x + 2x - 14$ is: $x^2 - 7x + 2x - 14$ کی تجزی ہے:

(a)	$(x+2)(x-7)$	(b)	$(x+3)(x-3)$	(c)	$(x+2)(x-2)$	(d)	$(x+7)(x-7)$
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☆ Answer the following questions: (1×6=6) درج ذیل سوالات کے جواب دیں۔

Q.2. Factorize the following: درج ذیل کی تجزی کریں:

(i) $xy^4 - 3xy^3 - 6xy^2$ (ii) $77x^2y - 33xy^2 - 55x^2y^2$ (iii) $5x^5 + 10x^4 + 15x^3$

Q.3. Factorize the following: درج ذیل کی تجزی کریں۔

(i) $x^2 - 13x - 2x + 26$ (ii) $x^2 - 8x - 4x + 32$ (iii) $ab(x+7) + cd(x+7)$

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(ii) $4x^3 + 3x^2 + 2x =$ _____.

(a)	$x(4x^2+3x+2)$	(b)	$2x^2\left(4x+3+\frac{2}{x}\right)$	(c)	$2x(x^3+3x+2)$	(d)	$2x^2\left(x+\frac{3}{x}+\frac{2}{x^2}\right)$
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(iii) $xy^4 - 3xy^3 - 6xy^2 =$ _____.

(a)	$xy(x^2-3x+6)$	(b)	$xy(x^3-4x+6)$	(c)	$yz(x^2+3x+6)$	(d)	$xy^2(y^2-3y-6)$
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(iv) Factorization of $x^2 - 7x + 2x - 14$ is: $x^2 - 7x + 2x - 14$ کی تجزی ہے:

(a)	$(x+2)(x-7)$	(b)	$(x+3)(x-3)$	(c)	$(x+2)(x-2)$	(d)	$(x+7)(x-7)$
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