Math - 8

Name:

Syllabus	Unit # 05							
Math:	Objective		5	Subjecti	ve	C IT 4 I	014 1	
Question #	01 To 32	33	34	35	36	37	Grand Total	Obtained
Number:	10	10	10	10	10	10	60	
Obtained	5). 10					50		
Passing Marks:	33	Status :		Sig. Guardian				

0)

Date:

(d) Division inverse

					ce Questions		
$^{\wedge}_{\bowtie}$ Ma	ark correct option o	n com	puterized answer sh	eet.	\$8		$(0.5 \times 20 = 10)$
1. B	Biquadratic algebraic	expre	ssion is a polynomial	of degr	ee:		
(a) C	One	(b)	Two	(c)	Three	(d)	Four
2. 4	4x + 2y + 3z is an algebra	oraic					
(a) E	Expression	(b)	Equation	(c)	Inequality	(d)	Symbol
3. 2	$2x^{-2}is$:						
(a) A	A polynomial	(b)	Not a polynomial	(c)	A constant term	(d)	An inequality
4. I	n a polynomial the n	umber	multiplied with the v	ariable	is called:		
(a) N	Number	(b)	Coefficient	(c)	Index	(d)	Constant
5. I	2x-3y+4z, there a	re	variables.				
(a) 2	2	(b)	3	(c)	4	(d)	5
6	are used to repre	esent v	ariable.				
(a) C	Constant	(b)	Number	(c)	Alphabets	(d)	Letters
7. 3	$3y^2$ is polynomial.						
(a) L	Linear	(b)	Quadratic	(c)	Cubic	(d)	Biquadratic
8. If	f(x+y=6, x-y=2,	then y=					
(a) 4	1	(b)	6	(c)	2	(d)	8
9. 8	8x - (5x + 9y - 23) =						
(a) 3	3x - 9y + 23	(b)	3x + 9y + 23	(c)	3x - 9y - 23	(d)	3x + 9y - 23
10. T	The answer of $2x + 5$	(2x + 3)	(x+3)is				
(a) x	x+8	(b)	27x+15	(c)	x+3	(d)	7x + 8
11. B	By adding $7 - x - x^2 a$	$ndx^3 +$	$-x^2 + x - 4$, we get:				
(a) ,	$x^3 + 3$	(b)	$x^3 + x^2 + x - 4$	(c)	$x^{2} + 2$	(d)	$x^3 + 2x^2 + 2x - 11$
12. s	Solution of $(x^4 + 3x^2)$	+7)×4	4x is:				
	$4x^5 + 12x^3 + 28x$			(c)	$4x^4 + 9x^2 + 7x + 1$	(d)	$5x^5 + 7x^3 + 11x$
	n 3x+y there are						
(a) 2		(b)		(c)	4	(d)	3
2000	The product of $4x^2$ an	$d 5x^3$	is	100.00		(0705)	
- 7	20x ⁶		20 <i>x</i> ⁵	(c)	9 x ⁵	(d)	9 x ⁶
	Which of the following			*******	oriet gan		9077
	12	(b)		(c)	2x+5y	(d)	$x^3 + y^{-2} + 3$

16. If the sum of two polynomials is zero then P and Q are called _____ for each other.

(c) Subtractive inverse

(b) Additive inverse

(a) Multiplicative inverse

Al Razi (a) (b) Al Khawaraizmi (c) Newton (d) J.J. Thomson $(z^3 + 2z + 3) + (-z + 1) = ?$ 18. $5^3 + 5 + 4$ (c) $z^3 - z + 2$ (a) $5^3 + 35 + 4$ 19. In an expression 5x+9, 5 and 9 are: Constant (b) Variable Algebraic expression (a) (c) Literals 20. Polynomial with degree 4 is called: (d) Biquadratic polynomial Linear polynomial (b) Quadratic polynomial (c) Cubic polynomial **Open Ended Questions** 33. Write the literal used in equation: $cx^2 + dx = 0$ (02)(a) (b) Write the degree of the polynomial: $x^3 - xy + 1$ (02)Subtract P from Q when $P=3x^4+5x^3+2x^2-x$, $Q=4x^4+2x^2+x^3-x+1$ (c) (06)34. (a) (04)Divide $x^3 - 2x + 4$ by x + 2(b) Multiply 2x-3 with 5x+6 (03)Define algebraic expression. (03)(c) 35. Write the difference between cubic polynomial and biquadratic polynomial. (a) (04)(b) Find the product of the polynomial $(x+3)(x^2-3x+9)$ (03)Solve: $(-2x^2 + 5y^2 - 3z^2) - (5x^2 - 3y^2 - 6z^2)$ (c) (03)Identify the given polynomials are linear, quadratic, cubic and biquadratic: 36. (a) (04)3y + 2, $z^2 - 1$, $x^2 - x$, y + z, $z^3 + z^2 - 2$, $y^4 + y^3 - y^2$, $x^2 z^2 + xz$, $y^2 + xy + 10$ Solve: $(3x^2)(12v)$ (b) (03)Solve: $(x^3 - 19x - 3) \div (x + 3)$ (c) (03)37. What should be added to $4x^3 - 10x^2 + 12x + 6$ so that it becomes exactly divisible by 2x + 1? (04)(a) (b) Find the sum of the polynomial: $9z + 3y^2 - 5x^3$, $-z - 2y^2 - 4x^3$, $z - x^3$ and $-2z + 3y^2$ (03)Write the degree of the polynomial: (i) $x^3 - xy + 1$ (ii) $x^2y^2 + x^3 + y^2 - 1$ (c) (03)

17. Who was considered the "father of modern Algebra"?

