Page 1	of 2				IUNIVERSITY TION BOARE	Ď		Total Time 3 hours Total Marks: 75
Class: Time Q1:	IX Allowed: 20 minutes			T: MA	AMINATION 2025 ATHEMATICS FION "A")			Marks: 15
Note:	te: Attempt <u>ALL</u> questions from section 'A'. Each question carries <u>ONE</u> mark.							
1	The solution set of the	he lin	he x=2 and x=5 is:					
А.	{(2,5)}	В	{2,5}	C.	{(0,5)}	D.	{}	
2	If perpendicular dist	ance	between two lines is	the sau	me, the lines are		to each other.	
А.	Perpendicular	В	Parallel	C.	Intersecting	D.	None	
3	In $2i(3-1)$, the real particular	art is	:					
А.	-1	В	2	C.	-2	D.	+1	
4	If $\log_{10} x = 2$, then x	<=						
А.	200	В	10000	C.	1000	D.	100	
5	If $x + y = 10$ and x	- y	$= 6$, then $\frac{x}{y} =$					
А.	4	B.	8	C.	2	D.	1	
6	The additive inverse	e of√	5 is:					
A.	$-\sqrt{5}$	B.	$\frac{1}{\sqrt{5}}$	C.	-5	D.	5	
7	The scientific notation of 0.05076 is:							
А.	$50.76x10^2$	B.	$50.76x10^{-2}$	C.	$5.076X10^{-2}$	D.	$5.076x10^2$	
8	$x^2 - 15x + 56 =$							
A.	(x-7)(x+8)	B.	(x+7)(x-8)	C.	(x-7)(x-8)	D.	(x+7)(x+8)	
9	In (5,-1), <i>x</i> co-ordinate is							
А.	5	B.	1	C.	-1	D.	-5	
10	Degree of quadratic	equa	tion is					
А.	1	B.	2	C.	3	D.	4	
11	In a right-angled triangle, the line opposite to the right angle is called							
A.	Base	B.	Perpendicular	C.	Parallel	D.	Hypotenuse	
12	$\sqrt{7}$ is an example of							
A.	Trinomial Surd	B.	Binomial Surd	C.	Monomial Surd	D.	Conjugate Sur	d
13	In $x \ge 4$, x is		4					
A.	Greater than	B.	Equal to	C.	Less than	D.	Greater than o equal to	r
14	The sum of all angl	es of	a triangle is	•				
A.	90°	B.	180°	C.	270°	D.	360°	
15	The medians of a tr	iangl	e are					
A.	Concurrent	B.	Collinear	C.	Congruent	D.	Parllel	

END OF SECTION A

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Total Time 3 hours Total Marks: 75

