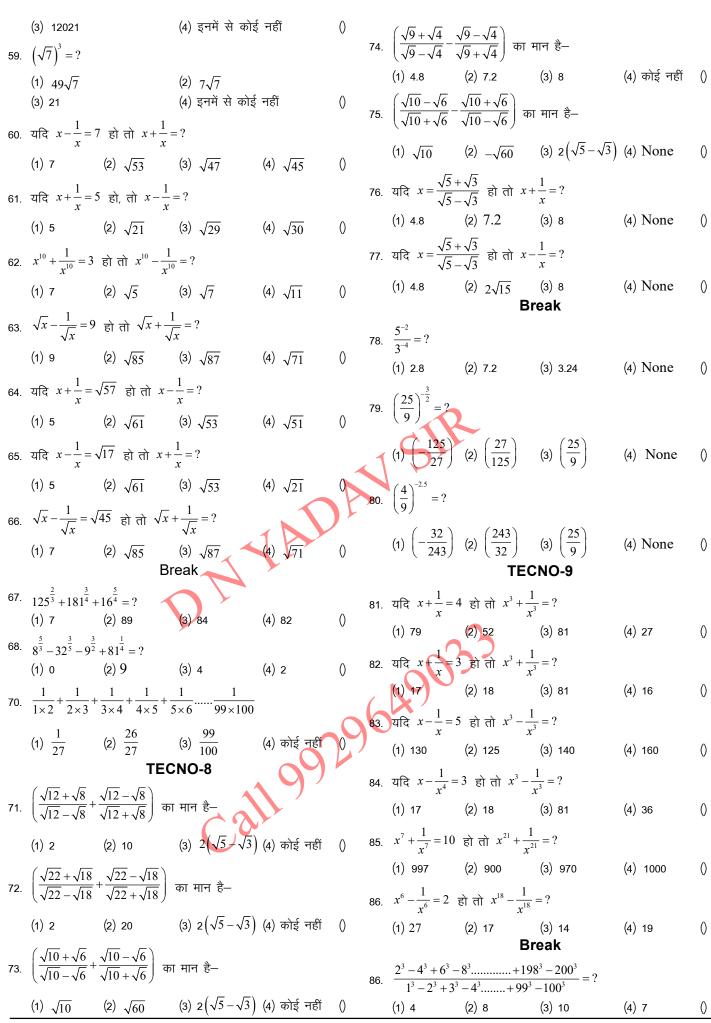
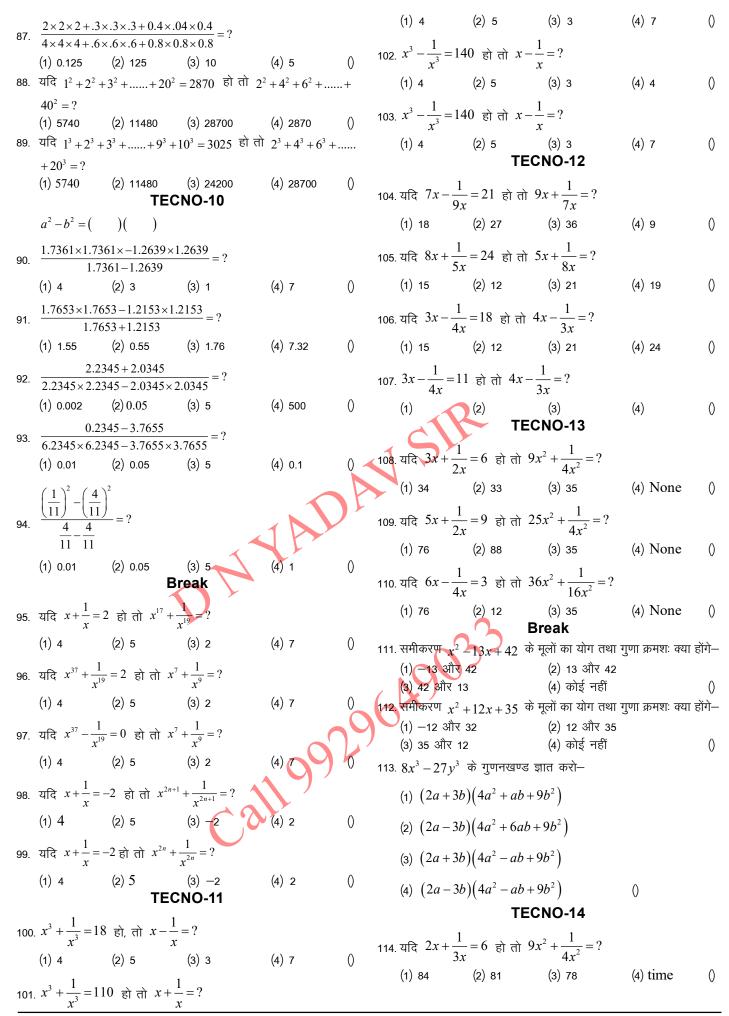
D N YADAV SIR

Alzebra

	2007 ³	$3 - 1999^3$				(1)359	(2)363	(3)381	(4)361	0
1.	$2007^3 + 2007$	$\frac{3 - 1999^3}{7 \times 1999 + 1999^2}$				15.यदि $\frac{x}{y} + \frac{y}{x}$	$= 5$ \rightleftharpoons \Rightarrow $\frac{x^2}{}$	$\frac{y^2}{1} - 2$		
	(1)13	(2)345546	(3)8	(4)None	0	•	•			
2.	4.54 × 4.54 ×	$4.54 - 2.14 \times 2.$ $4.54 \times 2.14 + 2.$	14×2.14			(1)23	(2)24	(3)25	(4)26	0
	$4.54 \times 4.54 +$ (1)127.67		.14 × 2.14 (3)8.40	(4)None	0	16.यदि $\frac{x}{3} + \frac{3}{x} =$	$= 4$ ਵੀ ਰੀ $\frac{x^2}{x^2}$	$+\frac{9}{1}=2$		
	` '	` '	` '	(4)110116	V	3 A	,	λ		
3.	$\frac{7.85 \times 7.85 \times}{7.85 \times 7.85()}$	$\frac{7.85 + 4.35 \times 4}{07.85 \times 4.35 + 4}$	$\frac{35\times4.35}{.35\times4.35}$			• •	(2)17	` '	(4)19	0
	(1)3.50	(2)12.20	(3)7.85	(4)15.20	0		:+35 का एक <u>न</u>	गुणनखंड (x−5) हो तो <i>p</i> का मान	न ज्ञात
4	$7.43 \times 7.43 +$	$7.43 \times 5.23 + 5.$ $7.43 - 5.23 \times 5.$	23×5.23			करो ।		()	()	•
•	7.43×7.43×	$7.43 - 5.23 \times 5.3$	23×5.23				(2)12		(4)None	0
	$(1)\frac{1}{2}$	(2)2.2	(3)90.09	(4)None	0		:+15 का एक ग्	पुणनखंड (x−5)) हो तो <i>p</i> का मान	न ज्ञात
	1.0032 - 1.00	03×1 0003±1 0	1003 ²			करो।	(0)7	(a) a	(4)NT	٨
5.	1.003	$\frac{03 \times 1.0003 + 1.0}{3^3 + 1.0003^3}$				(1)8 19. $(x+7)(x-4)$	(2)/	(3)—8 र क्रुगे ।	(4)None	0
	(1) — ¹	(2)2.0033	(3)23	(4)None	0		28		30	
	20033				V	$(3) x^2 + 16x - $	45	(2) x - 9x + 2 $(4) \cdot \cdot \cdot^2 + 12 \cdot \cdot \cdot + 12 \cdot + 12 \cdot \cdot + $	28 .62	Λ
6.	$\left(1\frac{1}{2}\right)\left(1-\frac{1}{3}\right)$	$\left(1-\frac{1}{4}\right)\left(1-\frac{1}{5}\right).$	$\dots \left(1 - \frac{1}{100}\right) = ?$			20. $(x+7)(x+3)$			03	V
	$(1)^{\frac{1}{2}}$	$(2)\frac{99}{100}$	(a) <u>99</u>	(4)None			-21		71	
-	100	100	100	(4)110110	V		-45			()
7.) का मान ज्ञात						1	21	V
			$(2) x^2 - 16x + $			21.यदि $x^5 + \frac{1}{x^5}$	$x = 8$ हो तो x^{1}	$0 + \frac{1}{x^{10}} = ?$		
_			$(4) x^2 + 12x + 6$	63	0	(1)123	(2)47	(3)62	(4)82	0
8.) का मान ज्ञात				$22 \text{ zife } x^7 + \frac{1}{x^7}$	-= 9 हो तो <i>x</i>	$\frac{1}{4} + \frac{1}{1} = ?$		
		$9(2)x^2-9x+$	_ ·		^	22.यदि $x^7 + \frac{1}{x^7}$ (1)123		x^{14}	()	^
			$(4) x^2 + 12x + $	63	0	(1)123	(2)47	(3)62	(4)79	0
9.		3 के गुणनखंड				23.यदि x ¹⁸	$\frac{V}{18} = 11$ हो तो	$x^{36} + \frac{1}{x^{36}} = ?$		
	` '	+3)	(2)(x+4)(x+4)		^		(2)47		(4)82	٨
	` '		(4)(x+4)(x+4)	5)	0				(1)02	V
10		के गुणनखंड :	ज्ञात करा।	2)		24.यदि <i>x</i> ¹⁷	<u>1</u> 17 = 12 हो तो	$x^{34} + \frac{1}{x^{34}} = ?$		
	(1)(x+5)(x-5)(x-5)	-9)	(2)(x-5)(x-6) (4)(x+4)(x+6)	5)	0	(1)144	(2)147	(3)142	(4)146	0
			_		V	25.यदि $\sqrt{x} + -$	<u>1</u> ==6 ਵੀ ਜੀ	$x + \frac{1}{2} = 2$		
11			$\frac{1}{x^2} = ?$	V.			••	••	()	^
	(1)79	(2)47	(3)81	(4)82	0			(3)34	(4)82	0
12	ਹਿਟ $r - \frac{1}{r} =$	5 हो तो x ² +	$-\frac{1}{2} = ?$			26. $\frac{1}{\sqrt{38+\sqrt{37}}} = 9$	•			
12	30		30	(.) . –	^	$(1)\sqrt{38}+\sqrt{3}$	$\frac{1}{7}$ (2) $\sqrt{38} - \sqrt{3}$	7 (3) √ 75	(4)75	0
			(3)81	(4)27	0	·		•		
13	.यदि $x - \frac{1}{x} =$	18 हो तो x^2 +	$\frac{1}{x^2} = ?$			$27. \frac{1}{\sqrt{27} - \sqrt{26}} =$				
	N	(2)324	x	(4)233	0	$(1)\sqrt{27} + \sqrt{2}$	$26 (2) \sqrt{27} - \sqrt{2}$	$\overline{6}$ (3) $\sqrt{75}$	(4)75	0
		19 हो तो <i>x</i> ²			-	28. $\frac{1}{\sqrt{30}-\sqrt{26}}$ = ?				
14	$\begin{array}{c} .414 & x= \\ x & \end{array}$	17 EI (II X	$+\frac{1}{x^2}-i$			γ50γ20				





115. यदि <i>5x</i>	$x^2 + \frac{1}{4x} = 10$ हो द	$16x^2 + \frac{1}{25x^2} =$	=?		130. यदि $x = \frac{\sqrt{6} - \sqrt{2}}{\sqrt{6} + \sqrt{2}}$ हो तो $x - \frac{1}{x} = ?$	
	(2) 62.4			0	(1) 46 (2) $\sqrt{12}$ (3) $-\sqrt{12}$ (4) None	0
116. यदि <i>5x</i>	$-\frac{1}{4x} = 10$ हो तो	$16x^2 + \frac{1}{25x^2} = $?		TECNO-17	
(1) 62	(2) 65.6	(3) 61	(4) None	0	131. यदि $x = \sqrt{27} - \sqrt{26}$ तथा $x = \sqrt{27} + \sqrt{26}$ हो तो $xy = \sqrt{1}$ 7 (2) 5 (3) 1 (4) 2	:?
117. यदि 2 <i>x</i>	$-\frac{1}{3r} = 4$ हो तो	$27x^3 - \frac{1}{3} = ?$			132. यदि $x = \sqrt{29} - \sqrt{23}$ तथा $x = \sqrt{29} + \sqrt{23}$ हो तो $xy =$	
	3 <i>x</i> (2) 234.6	o_{λ}	(4) 342	()	(1) 7 (2) 6 (3) 1 (4) 2	0
			.,	Ū	133. यदि $x = (\sqrt{8} + \sqrt{7})^{-3}$ तथा $x = (\sqrt{8} - \sqrt{7})^{-3}$ हो तो xy	=?
	$+\frac{1}{p}=4$ हो तो	1			(1) 7 (2) 6 (3) 1 (4) 2	0
(1) 91	(2) 5	(3) 243	(4) 342	0	134. यदि $x = \left(\sqrt{11} - \sqrt{10}\right)^{-3}$ तथा $x = \left(\sqrt{11} + \sqrt{10}\right)^{3}$ हो तो	xy = ?
119. $p + \frac{1}{3}$	_=2 हो तो 27p	$p^3 - \frac{1}{p^3} = ?$			(1) 7 (2) 6 (3) 1 (4) 2	0
(1) 271	(2) 270	(3) 243	(4) None	0	Break	
120. यदि <i>x</i> +	$-\frac{1}{4r} = 1$ हो तो 10	$6x^2 + \frac{1}{2} = ?$			135. यदि $\sqrt{10} = 3.162$ हो तो $\frac{1}{\sqrt{10} - \sqrt{9}} = ?$	
	4 <i>x</i> (2) 70	λ	(4) None	0	(1) 0.162 (2) 6.162 (3) 4.164 (4) None	0
	$-\frac{1}{4r} = 1$ हो तो 10				136. यदि $\sqrt{8} = 2.828 & \sqrt{7} = 2.645$ हो तो $\frac{1}{\sqrt{8} + \sqrt{7}} = ?$	
	4 <i>x</i> (2) 9	λ	(4) None	0	(1) 0.183 (2) 4.183 (3) 4.164 (4) None	()
		Break	()	_	137. $\frac{1}{\sqrt{3}+\sqrt{2}}$ का मान होगा—	
	$\int_{0}^{1} x^2 - 9x + 20^{-5}$					^
					(1) 0.210 (2) 4.210 (2) 4.464 (4) None	/ /
(1) —4 ः (3) 4 औ	न्नार -5 र 3	(2) 4 और 5 (4) None	1	0	(1) 0.318 (2) 4.318 (3) 1.164 (4) None TENCO-19	0
(3) 4 औ	र 3 [[] $x^2 - 8x + 15$ वे	(4) None	JA	0	TENCO-19	0
(3) 4 औ 123. समीकरण	र 3 ¹ x ² – 8x + 15 वें और 5 (2) 3 और 5	(4) None ह मूल ज्ञात करो— ह (3) 5 और 4	(4) None	0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ $0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3$	
(3) 4 औ 123. समीकरण (1) —3 २	र 3 [[] x ² – 8x + 15 वें भौर 5 (2) 3 और 5 TE	(4) None ह मूल ज्ञात करो— ह (3) 5 और 4 CNO-15		v	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$	
(3) 4 औ 123. समीकरण (1) —3 २	र 3 ¹ x ² – 8x + 15 वें और 5 (2) 3 और 5	(4) None ह मूल ज्ञात करो— ह (3) 5 और 4 CNO-15		v	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$ (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1	
(3) 4 औ 123. समीकरण (1) -3 र 124. यदि (x	र 3 [[] x ² – 8x + 15 वें भौर 5 (2) 3 और 5 TE	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो ती (x+y)	$\left(\frac{1}{(x+y)^2} \right)^2 = \frac{1}{(x+y)^2}$	v	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$	
(3) 4 औ 123. समीकरण (1) -3 र 124. यदि (<i>x</i> (1) 79	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ भौर 5 (2) 3 और 5 \mathbf{TE} $+ y) + \frac{1}{(x - y)} = $ (2) 47	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हा तो (x+y) (3) 81	(4) 82	?	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$ (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. $\frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ (1) 50 (2) 40 (3) 30 (4) 34	
(3) 4 औ 123. समीकरण (1) -3 द 124. यदि (<i>x</i> (1) 79	र 3	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$?	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$ (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. $\frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ (1) 50 (2) 40 (3) 30 (4) 34	0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ $\text{शौर 5 (2) 3 s } \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} $	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19	0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ $\text{शौर 5 (2) 3 s } \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} $	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$ (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. $\frac{13 \times 13 \times 13 + 17 \times 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ (1) 50 (2) 40 (3) 30 (4) 34 $(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}$ (10) 140. $\frac{(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003}$ (1) 3.033 (2) 3.333 (3) 3 (4) 3.4	0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ $\text{शौर 5 (2) 3 s } \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} $	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9} (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. \frac{13 \times 13 \times 13 + 17 \times 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13} (1) 50 (2) 40 (3) 30 (4) 34 140. \frac{(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003} (1) 3.033 (2) 3.333 (3) 3 (4) 3.4 141. \frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23}$	0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ $\text{शौर 5 (2) 3 s } \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} $	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}$ (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. $\frac{13 \times 13 \times 13 + 17 \times 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ (1) 50 (2) 40 (3) 30 (4) 34 $(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}$ (10) 140. $\frac{(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003}$ (1) 3.033 (2) 3.333 (3) 3 (4) 3.4	0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x	र 3 $\int x^{2} - 8x + 15 \overrightarrow{a}$ $\text{शौर 5 (2) 3 s } \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} \cancel{x} $	(4) None 5 मूल ज्ञात करो— 5 (3) 5 और 4 5 CNO-15 7 हो तो $(x+y)$ (3) 81 = 5 हो तो $(x-y)$	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}{(1) \ 1.6} (2) \ 1.7 (3) \ 1.4 (4) \ 2.1$ 139. $\frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003}$ $(1) \ 3.033 (2) \ 3.333 (3) \ 3 (4) \ 3.4$ 141. $\frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23}$ $(1) \ 3 (2) \ 1 (3) \ 2 (4) \ 4$ Break	0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x (1) 79 126. यदि (x (1) 179 127. यदि x = (1) 6	र 3 $(x^{2}-8x+15)^{\frac{1}{4}}$ $(x^{2}-8x+1$	(4) None (5) मूल ज्ञात करो— (5) (3) 5 और 4 (CNO-15) (7) हो तो $(x+y)$ (3) 81 (3) 81 (3) 81 (3) 140 $x + \frac{1}{x} = ?$ (3) 12	(4) 82 $(4) 82$ $(4) 82$ $(4) 27$? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}{(1) \ 1.6} (2) \ 1.7 (3) \ 1.4 (4) \ 2.1$ 139. $\frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 3.033 (2) \ 3.333 (3) \ 3 (4) \ 3.4$ 141. $\frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23}$ $(1) \ 3 (2) \ 1 (3) \ 2 (4) \ 4$ Break 142. $(\sqrt{3} + \sqrt{4})^{2} = ?$	0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x (1) 79 126. यदि (x (1) 179 127. यदि x = (1) 6 128. यदि x =	र 3	(4) None (5) मूल ज्ञात करो— (6) (3) 5 और 4 (CNO-15) (7) हो तो $(x+y)$ (3) 81 (3) 81 (5) हो तो $(x-y)$ (3) 140 $x + \frac{1}{x} = ?$ (3) 12 $x - \frac{1}{x} = ?$	$\begin{vmatrix} 1 & 1 & 1 \\ (x+y)^2 & 1 \\ (4) & 82 & 1 \end{vmatrix} = \begin{cases} 1 & 1 \\ (4) & 82 & 1 \\ (4) & 27 & 1 \\ (4) & 127 & 1 \end{cases}$ (4) None	? 0 ? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9}{(1) \ 1.6} (2) \ 1.7 (3) \ 1.4 (4) \ 2.1$ 139. $\frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13}$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 50 (2) \ 40 (3) \ 30 (4) \ 34$ $(1) \ 3.033 (2) \ 3.333 (3) \ 3 (4) \ 3.4$ 141. $\frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23}$ $(1) \ 3 (2) \ 1 (3) \ 2 (4) \ 4$ Break 142. $(\sqrt{3} + \sqrt{4})^{2} = ?$ $(1) \ 7 - 2\sqrt{12} (2) \ 7 + 2\sqrt{12} (3) \ 10 + 2\sqrt{20} (4) \ \frac{1}{60} \frac{1}{50} \frac{1}{50} = \frac{1}{10}$	0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x (1) 79 126. यदि (x (1) 179 127. यदि x = (1) 6 128. यदि x =	र 3	(4) None (5) मूल ज्ञात करो— (6) (3) 5 और 4 (CNO-15) (7) हो तो $(x+y)$ (3) 81 (3) 81 (5) हो तो $(x-y)$ (3) 140 $x + \frac{1}{x} = ?$ (3) 12 $x - \frac{1}{x} = ?$	$\begin{vmatrix} 1 & 1 & 1 \\ (x+y)^2 & 1 \\ (4) & 82 & 1 \end{vmatrix} = \begin{cases} 1 & 1 \\ (4) & 82 & 1 \\ (4) & 27 & 1 \\ (4) & 127 & 1 \end{cases}$ (4) None	? 0 ? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9} (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. \frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13} (1) 50 (2) 40 (3) 30 (4) 34 140. \frac{(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003} (1) 3.033 (2) 3.333 (3) 3 (4) 3.4 141. \frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23} (1) 3 (2) 1 (3) 2 (4) 4 Break 142. (\sqrt{3} + \sqrt{4})^{2} = ? (1) 7 - 2\sqrt{12} (2) 7 + 2\sqrt{12} (3) 10 + 2\sqrt{20} (4) \Rightarrow \overrightarrow{D} \overrightarrow{S} \Rightarrow \overrightarrow{D} \Rightarrow \overrightarrow$	0 0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x (1) 79 126. यदि (x (1) 179 127. यदि x = (1) 6 128. यदि x = (1) 36	र 3	(4) None (5) मूल ज्ञात करो— (5) (3) 5 और 4 (CNO-15) (7) हो तो $(x+y)$ (3) 81 (5) हो तो $(x-y)$ (3) 140 $x + \frac{1}{x} = ?$ (3) 12 $x - \frac{1}{x} = ?$ (3) 30	$\begin{vmatrix} 1 & 1 & 1 \\ (x+y)^2 & 1 \\ (4) & 82 & 1 \end{vmatrix} = \begin{cases} 1 & 1 \\ (4) & 82 & 1 \\ (4) & 27 & 1 \\ (4) & 127 & 1 \end{cases}$ (4) None	? 0 ? 0	TENCO-19 $ \begin{bmatrix} $	0 0 0
(3) 4 3 123. समीकरण (1) -3 3 124. यदि (x (1) 79 125. यदि (x (1) 79 126. यदि (x (1) 179 127. यदि x = (1) 6 128. यदि x = (1) 36	र 3	(4) None (5) मूल ज्ञात करो— (6) (3) 5 और 4 (CNO-15) (7) हो तो $(x+y)$ (3) 81 (3) 81 (5) हो तो $(x-y)$ (3) 140 $x + \frac{1}{x} = ?$ (3) 12 $x - \frac{1}{x} = ?$ (3) 30 $x = \frac{\sqrt{12} - \sqrt{8}}{\sqrt{12} + \sqrt{8}}$	$\begin{vmatrix} 2 + \frac{1}{(x+y)^2} & = \frac{1}{(x+y)^2} \\ 4 + \frac{1}{(x-y)^2} & = \frac{1}{(x-y)^3} \\ 4 + \frac{1}{(x-y)^3} & = \frac{1}{($	0 ? 0	TENCO-19 $x^{3} + y^{3} + z^{3} - 3xyz = ()()$ 138. $\frac{0.9 \times 0.9 \times 0.9 + 0.2 \times 0.2 \times 0.2 + 0.3 \times 0.3 - 0.3 \times 0.9 \times 0.2 \times 0.3}{0.9 \times 0.9 + 0.2 \times 0.2 + 0.3 \times 0.3 - 0.9 \times 0.2 - 0.2 \times 0.3 - 0.3 \times 0.9} (1) 1.6 (2) 1.7 (3) 1.4 (4) 2.1 139. \frac{13 \times 13 \times 13 + 17 \times 17 + 20 \times 20 \times 20 - 3 \times 13 \times 17 \times 20}{13 \times 13 + 17 \times 17 + 20 \times 20 - 13 \times 17 - 17 \times 20 - 20 \times 13} (1) 50 (2) 40 (3) 30 (4) 34 140. \frac{(1.003)^{3} + (1.03)^{3} + (1.3)^{3} - 3 \times 1.003 \times 1.3 \times 1.3}{(1.003)^{2} + (1.03)^{2} + (1.3)^{2} - 1.003 \times 1.03 - 1.03 \times 1.3 \times 1.3 \times 1.003} (1) 3.033 (2) 3.333 (3) 3 (4) 3.4 141. \frac{(.22)^{2} + (.55)^{2} + (.23)^{2}22 \times .5555 \times .2323 \times .22}{(.22)^{3} + (.55)^{3} + (.23)^{3} - 3 \times .22 \times .55 \times .23} (1) 3 (2) 1 (3) 2 (4) 4 Break 142. (\sqrt{3} + \sqrt{4})^{2} = ? (1) 7 - 2\sqrt{12} (2) 7 + 2\sqrt{12} (3) 10 + 2\sqrt{20} (4) \Rightarrow \overrightarrow{D} \overrightarrow{S} \Rightarrow \overrightarrow{D} \Rightarrow \overrightarrow$	0 0 0

- 145. $11 2\sqrt{28}$ का वर्गमूल ज्ञात करो-
 - (1) $\sqrt{7} + \sqrt{5}$ (2) $\sqrt{5} + \sqrt{7}$ (3) $\sqrt{7} \sqrt{4}$ (4) $\sqrt{7} + \sqrt{3}$ ()

TECNO-20

$$if(x+y+z) = 0 then x^3 + y^3 + z^3 - 3xyz = (?)($$

- 146. $17^3 27^3 + 10^3 = ?$
 - (1) $-3 \times 17 \times 27 \times 10$
- (2) $3\times17\times27\times10$
- (3) $-2 \times 17 \times 27 \times 10$
- (4) $17 \times 27 \times 10$
- 147. $(a-b)^3 + (b-c)^3 + (c-a)^3 = ?$
 - (1) 3(a-b)(b-c)(c-a) (2) 3(a+b)(b+c)(c+a)

 - (3) (a-b)(b-c)(c-a) (4) 5(a-b)(b-c)(c-a)
- 148. $(x-y)^3 + (y-z)^3 + (z-x)^3 (x-y)(y-z)(z-x) = ?$
 - (1) (x-y)(y-z)(z-x) (2) 2(x-y)(y-z)(z-x)
 - (3) 8(x-y)(y-z)(z-x) (4) 3(x-y)(y-z)(z-x) (
- 149. $\frac{(x-y)^3 + (y-z)^3 + (z-x)^3}{(x-y)(y-z)(z-x)}$

- (3) 3
- (4) इनमें से कोई नहीं

Break

- 150. यदि $z^{12} + \frac{1}{x^{12}} = 10$ हो तो $x^{36} + \frac{1}{x^{36}} = ?$
- (2) 900
- (4) 1000
- $151. \sqrt{x} \frac{1}{\sqrt{x}} = 5$ हो तो $\sqrt{x} + \frac{1}{\sqrt{x}} = 2$
- (1) 9 (2) $\sqrt{29}$ (3) $\sqrt{87}$
- (4) $\sqrt{71}$
- 152. यदि $x + \frac{1}{r} = \sqrt{59}$ हो तो $x \frac{1}{r} = ?$
 - (1) 5
- (2) $\sqrt{61}$ (3) $\sqrt{55}$
- (4) $\sqrt{51}$
- 153. यदि $x \frac{1}{x} = \sqrt{19}$ हो तो $x + \frac{1}{x} = ?$
 - (1) 5
- (2) $\sqrt{61}$ (3) $\sqrt{23}$

- $(x+y)^2 (x-y)^2 = 4($
- $(x+y)^2 (x-y)^2 = 2($
- 154. $\frac{(x+y)^2 (x-y)^2}{xy} = ?$
 - (1) 3
- (2) 21
- (3) 2
- (4) 4

()

()

- 155. $\frac{(x+y)^2 + (x-y)^2}{x^2 + y^2} = ?$
 - (1) 3 (2) 1
- (3) 2
- (4) 4

- 156. $\frac{\left(1.123+1.321\right)^{2}-\left(1.123-1.321\right)^{2}}{1.123\times1.321}$
 - (1) 3

- (4) 4

()

()

- 157. $\frac{\left(1.242 + 1.111\right)^2 + \left(1.242 1.111\right)^2}{1.242 \times 1.242 + 1.111 \times 1.111} = ?$
 - (1) 3
- (3) 2
- (4) 4
- $\frac{4.333 \times 2.333}{\left(4.333 + 2.333\right)^2 \left(4.333 2.333\right)^2} = ?$
 - (1) $\frac{1}{4}$ (2) $\frac{1}{2}$

()

- (3) 2
- (4) 4
- ()
- 159. $\frac{2007 \times 2007 + 2003 \times 2003}{\left(2007 + 2003\right)^2 + \left(2007 2003\right)^2} = ?$

TECNO-21

- 160. यदि a+b+c=0 हो तो $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ah} = ?$
 - (1) 2
- (2) 3

- ()
- 161. $\frac{x^2}{(x-y)(x-y)} + \frac{y^2}{(y-z)(y-x)} + \frac{z^2}{(z-x)(z-y)} = ?$

- - ()
- $\frac{x}{3x-y-z} = \frac{y}{3y-z-x} = \frac{z}{3z-z-x} = k$ हो तो k का का मान

- (2) $\frac{1}{4}$ (3) $\frac{1}{5}$ (4) $\frac{1}{2}$
 - ()

- 163. यदि a+b+c=0 हो तो
 - $\frac{1}{(a+b)(b+c)} + \frac{1}{(a+c)(b+a)} + \frac{1}{(c+a)(c+b)} = ?$

()

()

()

- 164. (x-7)(x-7) का मान ज्ञात करो–
 - (1) $x^2 14x + 49$ (3) $x^2 - 14x - 49$
- (2) $x^2 + 14x 49$
- (4) $x^2 + 14x + 49$
- 165. what is the squre of (x + 5)
 - (1) $x^2 14x + 49$ (3) $x^2 + 10x - 25$
- (2) $x^2 + 10x + 25$
- (4) $x^2 + 10x + 49$ 166. निम्न में से कौनसा एक पूर्ण वर्ग के रूप में होगा—
 - (1) $x^2 14x + 36$

(3) $x^2 + 10x - 25$

- (2) $x^2 + 12x + 25$
- (4) $x^2 + 12x + 36$
- 167. what is the squre root of $x^2 + 18x + 81$
 - (1) (x+5) (2) (x-9) (3) (x+9)
- (4) (x+18) ()

(4) (x+10) ()

- 168. what is the squre root of $x^2 20x + 100$
 - (1) (x+5) (2) (x-10) (3) (x+9)
 - TECNO-22

मान	ज्ञात	करो–
	मान	मान ज्ञात

- (1) $2\sqrt{8}$ (2) 6 (3) 8 (4) कोई नहीं ()

170.
$$x = 2 + \sqrt{3}$$
 हो तो $x + \frac{1}{x}$ का मान ज्ञात करो–

- (1) $2\sqrt{8}$
- (2) 6
- (3) 4
- (४) कोई नहीं ()

171.
$$x = 5 + 2\sqrt{6}$$
 हो तो $x + \frac{1}{x}$ का मान ज्ञात करो—

- (2) 10
- (3) 4
- (4) कोई नहीं ()

172.
$$x = 7 + 4\sqrt{3}$$
 हो तो $x + \frac{1}{x}$ का मान ज्ञात करो—

- (1) $2\sqrt{8}$
- (2) 13 (3) 14
- (4) कोई नहीं ()

173. $\frac{\left(243\right)^{\frac{n}{5}}.3^{2n+1}}{9^{n}3^{n-1}}$

- (1) 1
- (2) 9
- (3) 3
- (4) कोई नहीं ()
- 174. $5^{\frac{1}{2}}5^{\frac{1}{4}}5^{\frac{1}{8}}5^{\frac{1}{6}}$
- (3) 5
- (4) कोई नहीं ()

175.
$$\left[\left\{ \left(-2 \right)^{(-2)} \right\}^{(-2)} \right]^{\left(\frac{1}{2} \right)}$$

- (1) 1 (2) 9

- (4) कोई नहीं ()

176. $x = 7 - 4\sqrt{3}$ हो तो $x + \frac{1}{x}$ का मान ज्ञात करो-

- (1) $2\sqrt{8}$ (2) 13 (3) 14 (4) कोई नहीं ()

177. $x = 10 - 3\sqrt{11}$ हो तो $x + \frac{1}{x}$ का मान ज्ञात करो—

- (2) 13
- (3) 14 (4) कोई नहीं ()
- 178. $x = 9 4\sqrt{5}$ हो, तो $x + \frac{1}{x}$ का मान ज्ञात करो–
 - (1) $2\sqrt{8}$
- (2) 18
- (3) 14
- (4) कोई नहीं ()

Call 9929

Break

- 179. $(0.000001024)^{\frac{1}{10}}$
 - (1) 0.008
- (2) 6
- (3) 4
- (4) कोई नहीं ()

- 180. $(3200000)^{\frac{1}{5}}$
 - (1) 16
- (2) 20
- (3) 4
- (4) कोई नहीं ()

181.
$$16^{\frac{3}{2}} + 16^{\frac{-3}{2}}$$

- (1) 0 (2) $\frac{4097}{64}$ (3) $\frac{64}{4097}$

- 182. $(256)^{0.16}(256)^{0.09}$
- (2) 4
- (3) 16
- (4) 1

()

- 183. $(81)^{0.20}(81)^{0.30}(81)^{0.40}(81)^{-0.15}$
 - - (2) 27
- (4) 1
- TECNO-23

- 184. $x = 3 + \sqrt{8}$ हो तो $x \frac{1}{r}$ का मान ज्ञात करो-
 - (1) $2\sqrt{8}$ (2) 13 (3) 14
- (४) कोई नहीं ()
- 185. $x = 5 + \sqrt{24}$ हो तो $x \frac{1}{x}$ का मान ज्ञात करो–

- (1) $2\sqrt{24}$ (2) 13 (3) 14 (4) कोई नहीं () 186. $x = 9 + 4\sqrt{5}$ हो तो $x \frac{1}{x}$ का मान ज्ञात करो—

(1) $8\sqrt{5}$ (2) 13 (3) 14 **TECNO-23**

- 187. $x = 3 \sqrt{8}$ हो तो $x \frac{1}{x}$ का मान ज्ञात करो–
 - (1) $-2\sqrt{8}$ (2) 13 (3) 14

- 188. $x = 5 \sqrt{24}$ ही, तो $x \frac{1}{x}$ का मान ज्ञात करो—
 - (1) 2√24 (2) 13 (3) 14 (4) कोई नहीं ()
- 189. $x = 9 4\sqrt{5}$ हो, तो $x \frac{1}{x}$ का मान ज्ञात करो—
 (1) $-8\sqrt{5}$ (2) 13 (3) 14