

MATHEMATICS

MCQS GUIDE FOR **NUST | PIEAS | ECAT**AND OTHER STANDARDIZED TESTS

Part 1: 10 Chapters with Answer Key

- Complex numbers
- Matrices
- Vectors
- Sequence and Series
- Miscellaneous topics
- Binomial
- Functions
- Trigonometry
- Application of Trigonometry
- Inverse Trigonometry

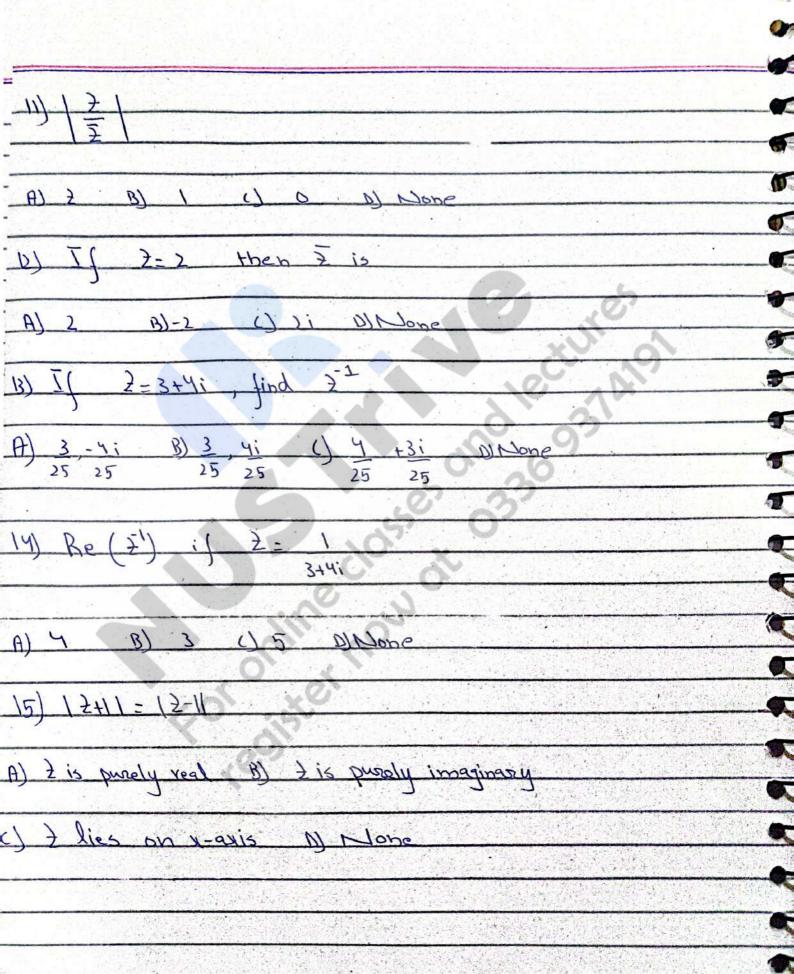
Reviewers:

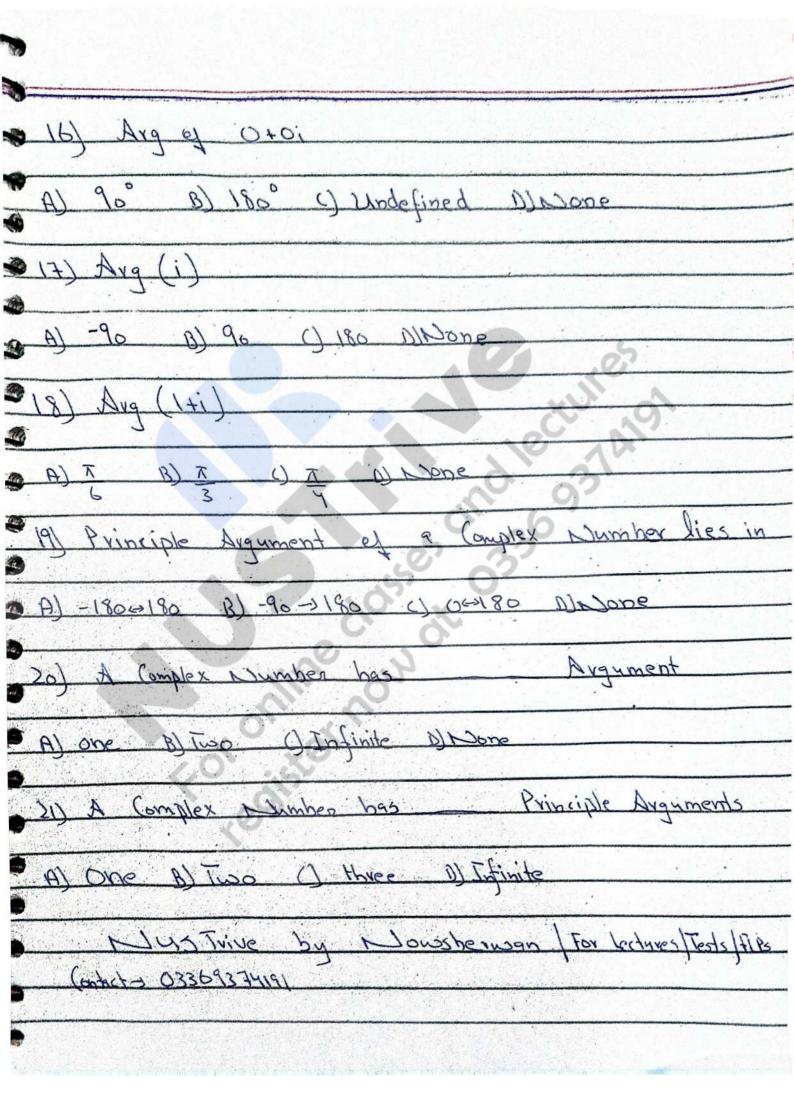
Ishraq khan (BS Phy NUST) Maths & Physics mentor at NUSTRiVE

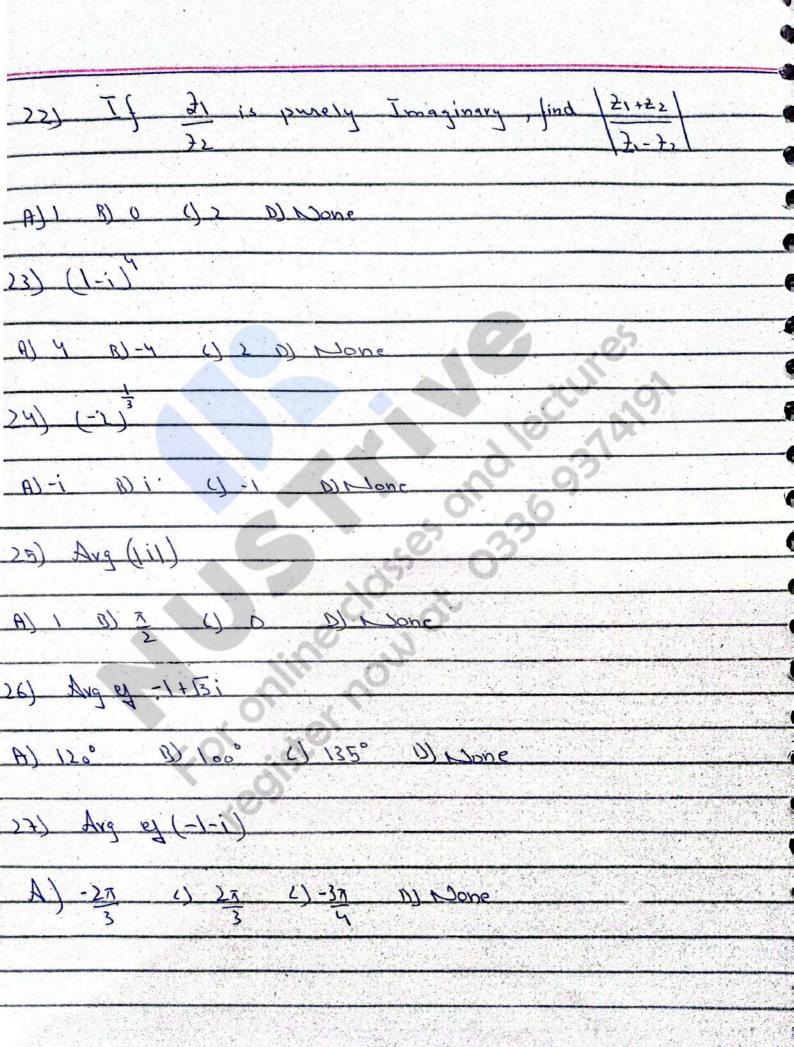
Abdul Moin (AJK University) Maths mentor at NUSTRIVE

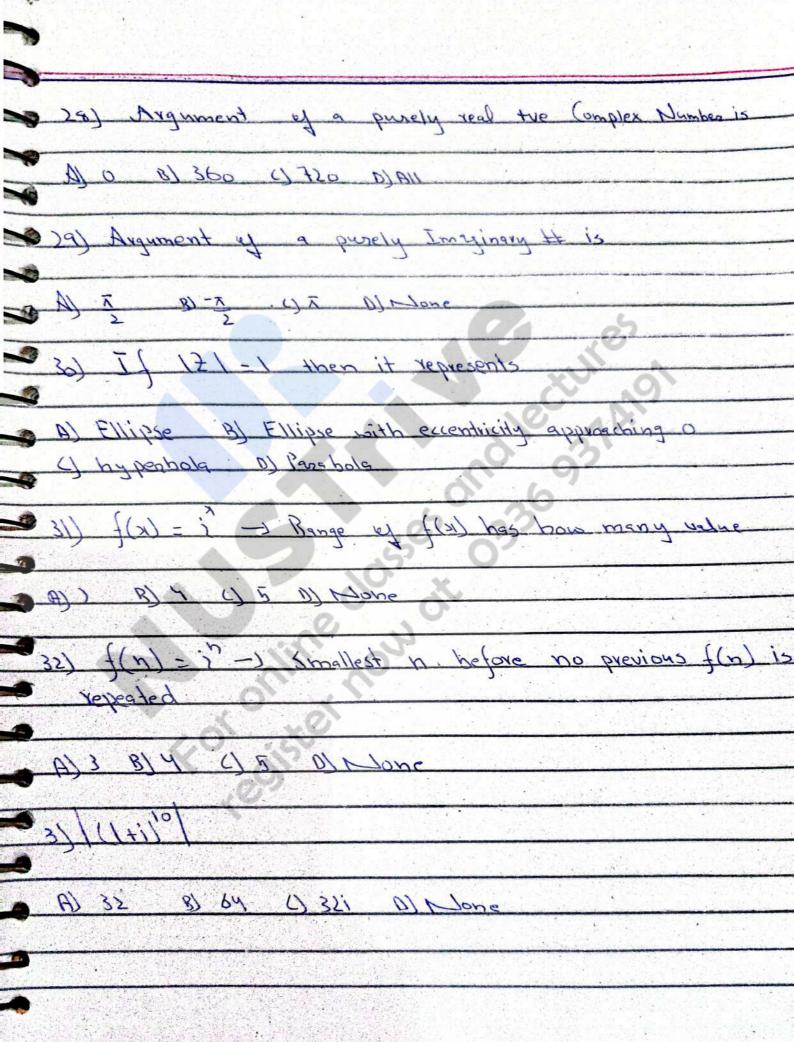
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Chapter wise McOs with
Chapter-1 NET Past paper MCQs
Complex Numbers
1) i=
A) [-1] B) (-1) (-1) (-1) (-1)
2) (J+i) '
A) i B) 4 (j-4 D) None
3) lai + i² + i³ + i 4 i 80
A) 1 W O O - 1 DINone
(1) (1) (1) (2) (2) (3) (3) (3) (4)
A) 1 B) -i C) -1 A None

5) liiti3115 1;7 111201122 129,26
A)-1 B) 1 y 2 DINone
6) (14i) = 21-iy Dowsbernan then (1,11)=
B) (0"-5) B) (0"5) () (5"0) NNOWS
a) 3·2
A) $(\frac{1}{2})^2$ B) $\frac{1}{2}^2$ c) $\frac{1}{2}^3$ D) None
18) T(2 = 11tig then 9+7
A) 2x B) Ziy C) 2xy D) None
29) (y) 5.
A) 1 B) -1 () 10 M None:
W Was is true
A) 17 1 8 B) 1-7 1=121 C) 121=17 DIAII



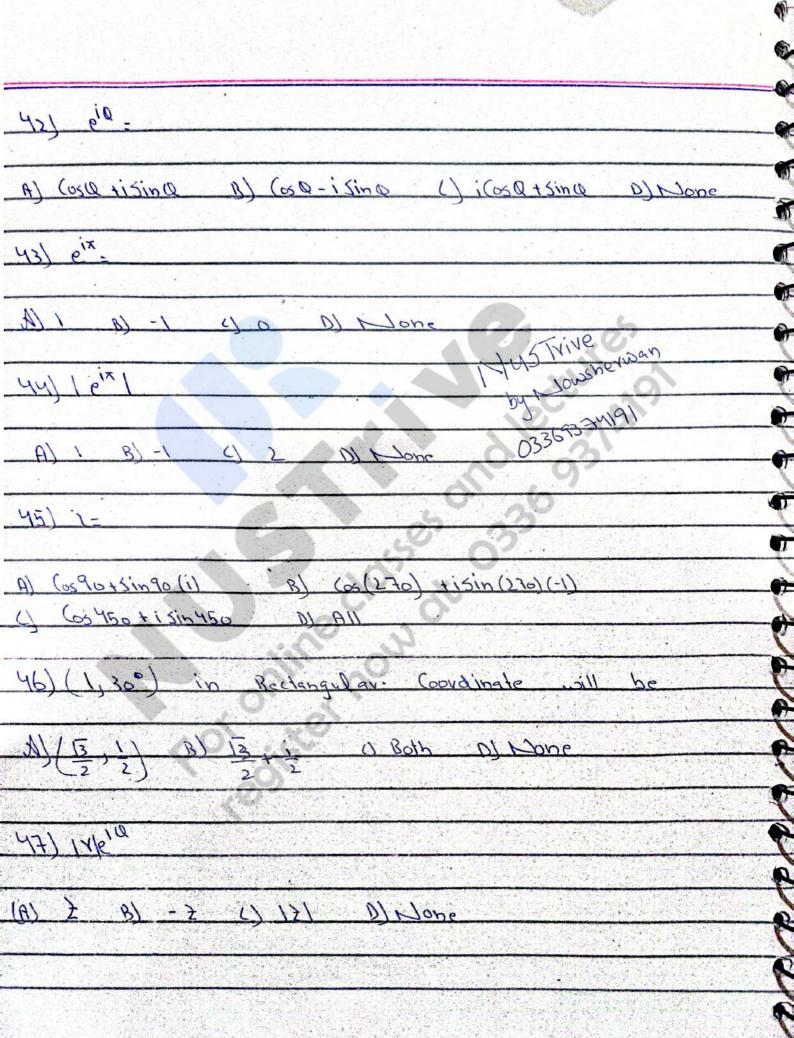






A) B) - C) D) None A) B) O C) > D) None A) B) O C) > D) None A) A) X 1-i Y-Yi (4,47; x 1-i Y-Yi (4,47; x 1-i Y-Yi (5) D) None (6x (K+2)) + (m-n) to be punely Imaginary okc x = 1 -> (7x X 2) M M M M (8x X 2) M M M (9x Previous question H's punely Yes if	33) e Pnist
(4) 141	
A) B) 0 (1) D) None B) 2	Al 1 BI-1 () i DI None
A) B) 0 (1) D) None B) 2	
A) $I = II$ $O = O = II$ $O = O = II$ $O = O = III$ $O = O = O = III$ $O = O = O = III$ $O = O = O = O = III$ $O = O = O = O = O = O = O = O = O = O $	$\frac{1}{2}$
F) 2 + i x 1 - i 4 - 4 i 19,41 x 1 - 2 x 3 + 4 i 2	1-1 111
F) 2 + i x 1 - i 4 - 4 i 19,41 x 1 - 2 x 3 + 4 i 2	
F) 2 + i x 1 - i 4 - 4 i 19,41 x 1 - 2 x 3 + 4 i 2	
$ q_{1}q_{1} \times q_{2} \times q_{3} $ $ q_{1}q_{1} \times q_{1} \times q_{2} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times q_{3} \times q_{3} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times$	A) 1 31 0 () D) None
$ q_{1}q_{1} \times q_{2} \times q_{3} $ $ q_{1}q_{1} \times q_{1} \times q_{2} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times q_{3} \times q_{3} \times q_{3} $ $ q_{1}q_{1} \times q_{2} \times q_{3} \times$	
) for (K+)) 11 + (m-n) i to be punely Imaginary Ale >1-1 -> N K-+2 (1 m=))) man Solve Previous question, its punely Yeal if	H) D+11x [1-1] 17-711
5) 25 JE) for (K+)) 11 + (m-n) i to be punely Imaginary (K=-) B) K=+2 () m=))) m=n) for Previous question, its punely Yeal if	194911 x 11-21 x 13+411
5) 25 JE) for (K+)) 11 + (m-n) i to be punely Imaginary (K=-) B) K=+2 () m=))) m=n) for Previous question, its punely Yeal if	
Jor (K+)) 1 + (m-n) i to be punely Imaginary K=-) B) K=+2 (1 m=) D) m=n Jor Previous question, its punely Yeal if	$\frac{2}{5}$ $\frac{2}{\sqrt{2}}$ $\frac{1}{\sqrt{2}}$
K=-2 B) K=+2 (1 m=) D) m=n b) for Previous question, its punely Yes! if	
K=-2 B) K=+2 (1 m=) D) m=n b) for Previous question, its punely Yes! if	for (K+) / 11 + (m-n) i to be purely Imagingry
K=-> B) K=+2 (1 m=))) m=n b) for Previous question, its purely real if	alke 11=1-1
o) for Previous question, its purely Yeal if	
o) for Previous question, its purely Yeal if	K=-2 B) K=+2 (1 m=) Mman
	o) for Previous question, its purely Yeal if
m=n Bl m-n=O C) Both D) None	
	m=n Bl m-n=O C) Both D) None

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(ir-2) (i+1) (FE
→ B)-1-2; B) 1-3; () 3i-4 D) None
$0 = \xi + \xi (p \xi)$ $2i \xi \text{and} \xi$
A) Purely real B) Puroly imaginary c) Both D) None
39) (x, a) 15
A) Rectangular (oprainate System B) Polar (oprainate System () (artest x Cartesian Coordinate D) None
To Jay the sphenical coordinate system the
A) (p(mi)'8) of 4 24 11) ((a) (theta)
9 411) Avg vez 1 in 1-1
A) 0 8) 2 U 180 : D) Nane



48) 1(050 + Sino A) eia B) -eia c) eia D) None € 49) (0590 + 151690 (6390 - 1 Singo A) -1 B) 1 C) O D) Long 50) ((osa +isina) = (osna +isin(na) A) De morgan law B) Brooks Law . () Demoi'ver's Law Demoive's theorem 51) Write Iti in Polar form A) 12 ((05(4) + i sin (4)) B) 13 ((05360 + i sin 90) = 4) 12 (65 (405°)+15in (405°) D) AH Both A/C 52) (65(0) tisin (0)) where (0-90 and n-10 A) (0,-1) B) (-1,0) () (0,1) D) None

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53)]= 17pia, ; = 1x1eias	
then <u>Zi</u> modulus are	
Al Muliplied Bl Divided Of Added DiNance	
54) If 71 = x1/e'01 and 22 - 1x2/e'02	- 0
Arguments of 121.72 are	
A) multiplied B) Added () Subtracted D) None	- 0
55) (osa-isina-	R
A) e'a B) e'ia c) leial D) None	Q Q
56) Argument ey (osa-isina	
4) Q W -Q 1) (Q) W Done	\@\
	•
	Q

= bit If arg(3) = x then Principle of (2) Mes pr xo A) 0 B) 27 () 47 D) None 58) (Cosatisina) where a is 90 and n= 12 -) is equal J. A) O B) C) Undefined DINJone 59) for Complex Numbers 2, and 2 0/1511-1551 > 131/4/551 Drione 60]. If 21 = 3 and 2z = 3+41 then ratify max value of 121+321 to minimal (miniman) value is A) 3 B) 5 C) 4 Mr lone 61) II 2 = 3+41 then 2= A) 211 B))-1 C) ±(2+1) D) ±(2+1)

T

For Live Classes | Fosts | FLPs - Contact 03369374191 67) Stiy form of (1-31) A) (10,10) B) (-10,10) C) 69) Complex Numbers are represented on A) Argand Plane B) Gauss Plane C) Planks Plane D) Cartisian Plane (1,0) 4(0,-1) 1141 - 1-1 B) (0,3) =1 -> least the inleger m 1 0 3 014 A) 2

72) 14 14-1 A) 1+i(2) B) 1-i c) 12 (cos T +ising) D) None 73) Mirror Image of 1-i is A)-Iti B)-I-i () itl D) None 74) If i and ki are reciproal of one another A) 1 B) -1 c) 0 DINDing 75) (= 2+2i A) 16 B) 18 () 20 D) None: 76) Im(2) = A) $\frac{7-\overline{2}}{2}$ 8) $\frac{7-\overline{2}}{2}$ () $\frac{7+\overline{2}}{2}$ D) Nore MUSTrive by Nowsherman 03369374191

ist=i-1 bas i-1-5 T (FF Then 2 A) O B) I UZ DINOne 75) If =-> then 7 is A) purely real B) real Transjoury () Both purely real and purely imaginary DINDONE 79) 1-3 . 1-4 = A)-ITE BLITZ () TEI DI Mone PI-5-1 (08 A) JIEI BI-JIZ CLIE DINDONE 81) Multiplicative identity of Complex H is A) (0,-1) B) (1,0) C) (0,0) DI None Ustrive - C

(85) Arg (7) = Arg (-7) A) Possible () Not possible () Both? DINone 93) Im(iz) = Re(2) A) True B) False () Pontially true DINone 84) If 71 = 1431 and 21 - 2+21 then Be (121:22) A) 1 B) -1 C) i D) None 85) I = = -1 then 3= 1) 141 B) -141 () 1-1 D) None A) 7 B) i. = () - = 0) None

17) let 2= -1 -51 then 2+ 7-1=

A) O B) i () 1 . D) -2 ...

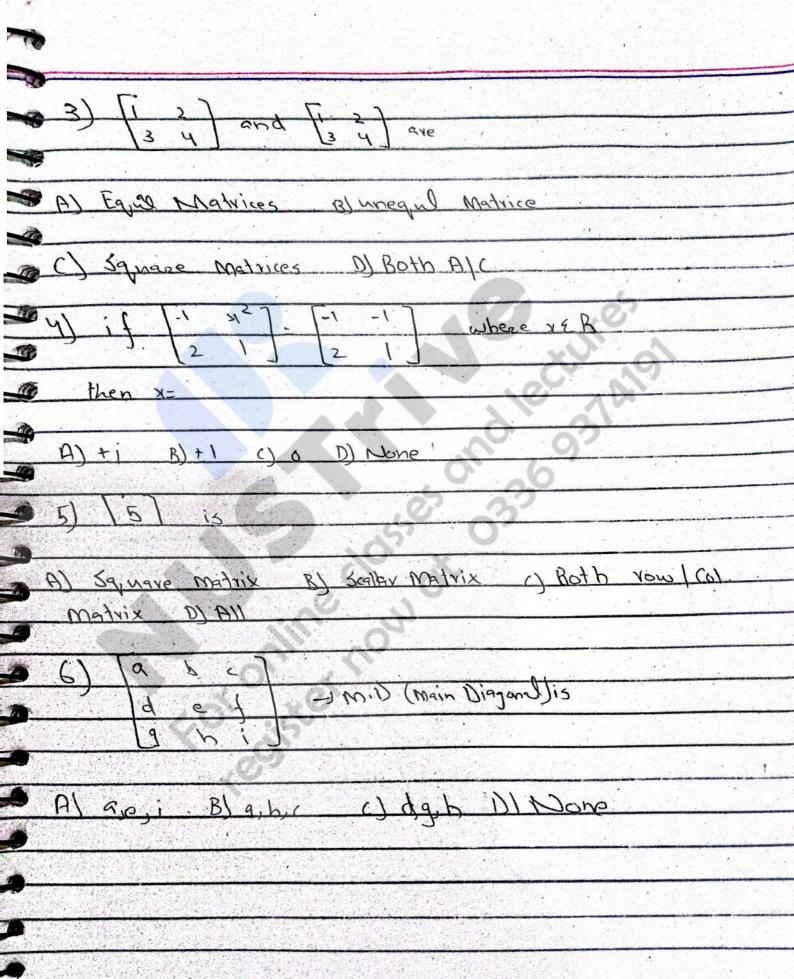
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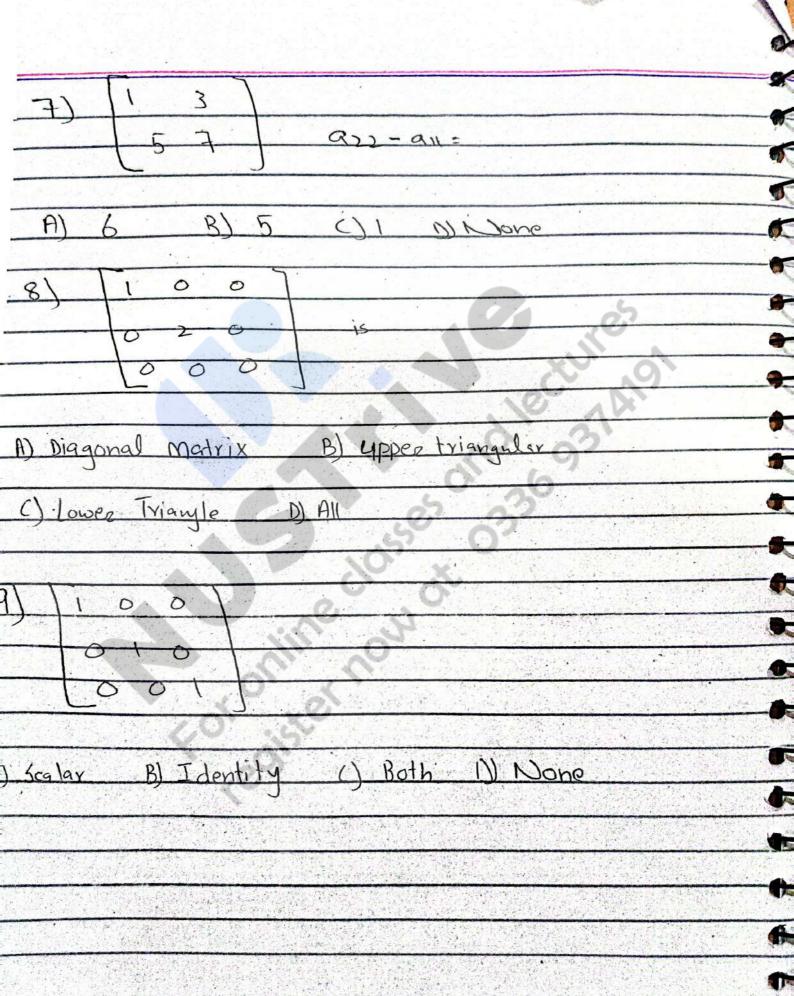
MysTrive by Nowsherman - For NET Classes - Contact 083693 FURI (a) |3|=1 (b) |3|=1 (c) |3|=1 (d) |3|=1= 151, for uni Modular > , 171= A) 1 B) O () > D) None A)J-1 B)-1 () 1 D) None 91) Tf = 3+4 then 121 92) I = 3-4 then 7 A) 3+41 B) 3+4 ()-1 D) None A) 1 B) 0 \$ C) Both NI None

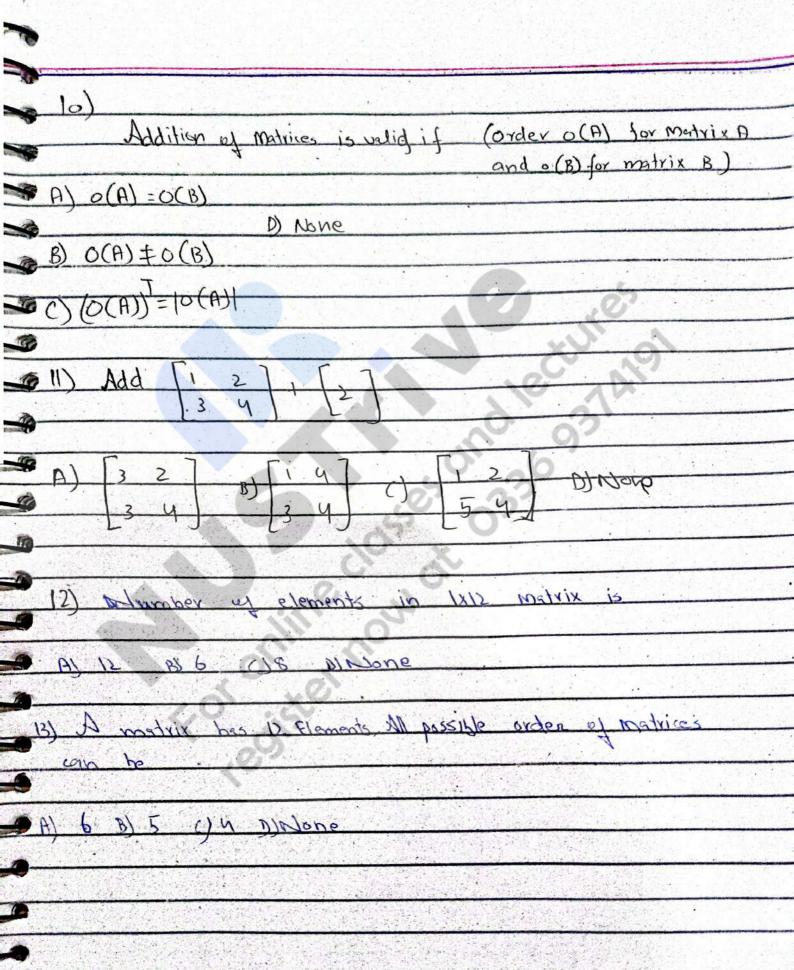
	4
	0
94) Difference by 31 and 1+31	- 4
A) First is Complex #, second is Img # B) vice vessa ex A	
6) Both DINone	- IN
95) Frery Complex # is Imaginary# but Every Img# is	
tt xdqmo) ton	
A) True BJ False C) Both DI Nove	•
96) & Complex # Set is of Red # Set.	•
A) Super B) Suppos Set O Power Set D) None	O.
	•
97) [31]	
A) 3 B) 1 C) 10 D) Nione	3
98/ Jaryil ² =1 where ariy = 2	
18) latyil =1 where ating = 2	
A) [(Re) + (Im) B) [Re(3)] + (Im(2)) C) (Re) + Im(2)	
D) NJone	
m) Cone	

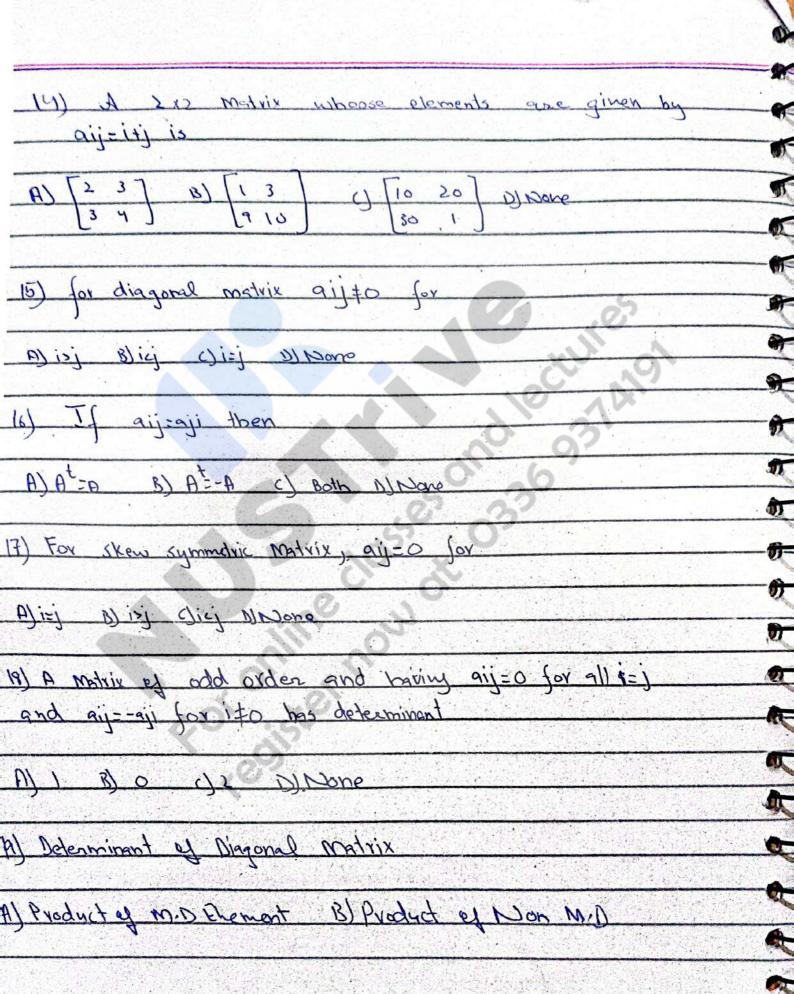
99) avg (-1-13i) B) 7 B) -27 () 7 D) Some 100) if x is great the then wof is never (A) 7120 B)XCO () X200 D)300 0 olutions Seperate PDF 15 Trive By Howsherwan FOR LECTURES | TESTS | FLPS - Contact 03369374191

ATRICES ARCHangellow Array of Numbers Elements is Al Malvix B) 5-D Vectors < Seafers De hore The az ayaz are Thements B) Entries < C) Roth II) None [as az] and [as are and [as azo] Coverspondingentives Elements are as and as B) aganday	MUSTrive by Nowsberran	
Rectangular Array of Numbers Flements is Al Matrix B) 5-D Vectors C) Scalers De lare Rectangular B) Fintiles C) Both D) None Rements B) Fintiles C) Both D) None Respondingen wies Elements are and as are Coverspondingen wies Elements are and and are Rectangular B) aganday	FOR LECTURES TESTS FLPS - Contact 03369374191	
A) Malvix B) 5-D Vectors C) Scalars Dements D) Fintries C) Roth D) None [93 97] and [83 94] [91 97] and [84 920] Coverspondingentities [Etements are as and and B) 99 and 94	MATRICES	
A) Malvix B) 5-D Vectors C) Scalars Dements D) Fintries C) Roth D) None [93 97] and [83 94] [91 97] and [84 920] Coverspondingentities [Etements are as and and B) 99 and 94		
Dements & Entries Cl Roth Whore [93 97] and [83 94] [91 97] and [818 920] Coverspondingentivies [Elements are 821 and 919 99 and 94		
Themen's Differents are [a1 a2] and and and are [a1 a2] and are [a2 a4] and are [a1 a2] and are [a2 and are [a3 a4] [a4 and are [a5 are [a6 and are [a7 and are [a7 and are [a8		
Demonts B) Entries C) Roth D) Nome [93 97] and [83 94] [91 97] and [818 920] Coverpondingentites [Elements are as and and 8) 98 and 94		
Coverpondingentives (Elements acre asiandaia B) aganday	Dements BI Entries C) Roth DI Nome	
Coverpondingentries (Elements are ast and are B) aganday	13 1 1 900	
921 andas DNOOPE	aziandaia B) aganday	
	921 and as DNone	





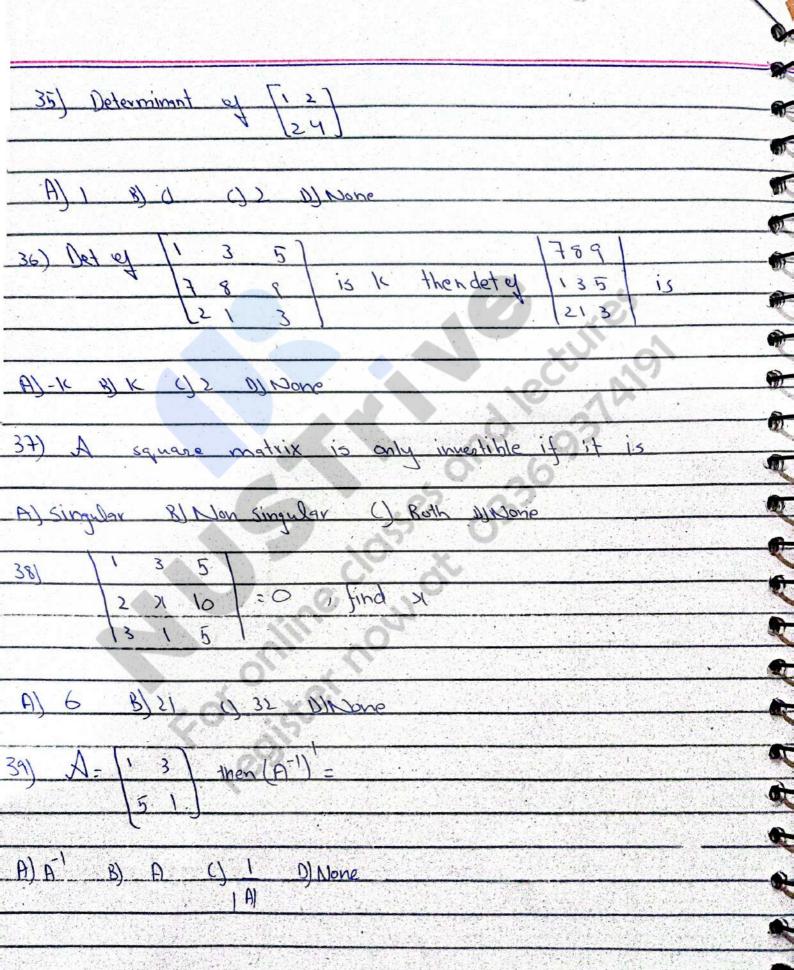




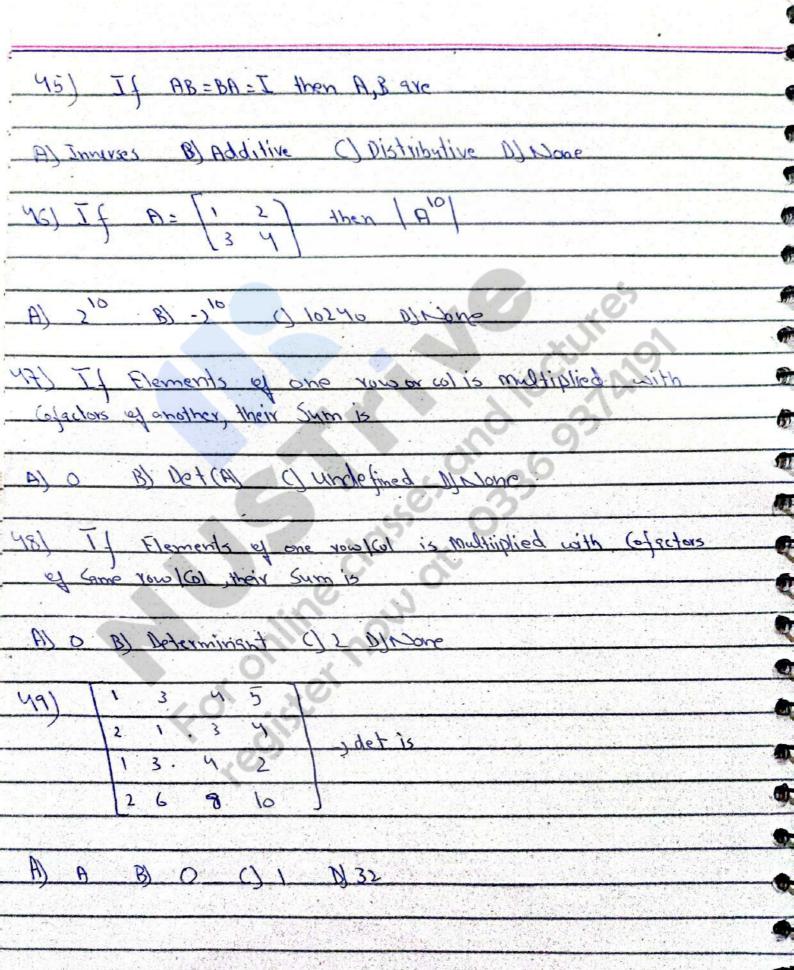
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C) Both Dy None
20) Pero matrix is
A) skewsymmetric B) Symmetric C) Both D) Nove
21) Det of [1 a2 a3] [a1 a5 a20]
22) A is square matrix then AtA is
A) Symmetric B) Skew Symmetric () Both D) None
23) Concellation Law bolds in Matrix addition
A) Yes B) No (1) Partially Tow D) Now
24) Conesially AB=BA
A) True BI False C) Roth DiNone

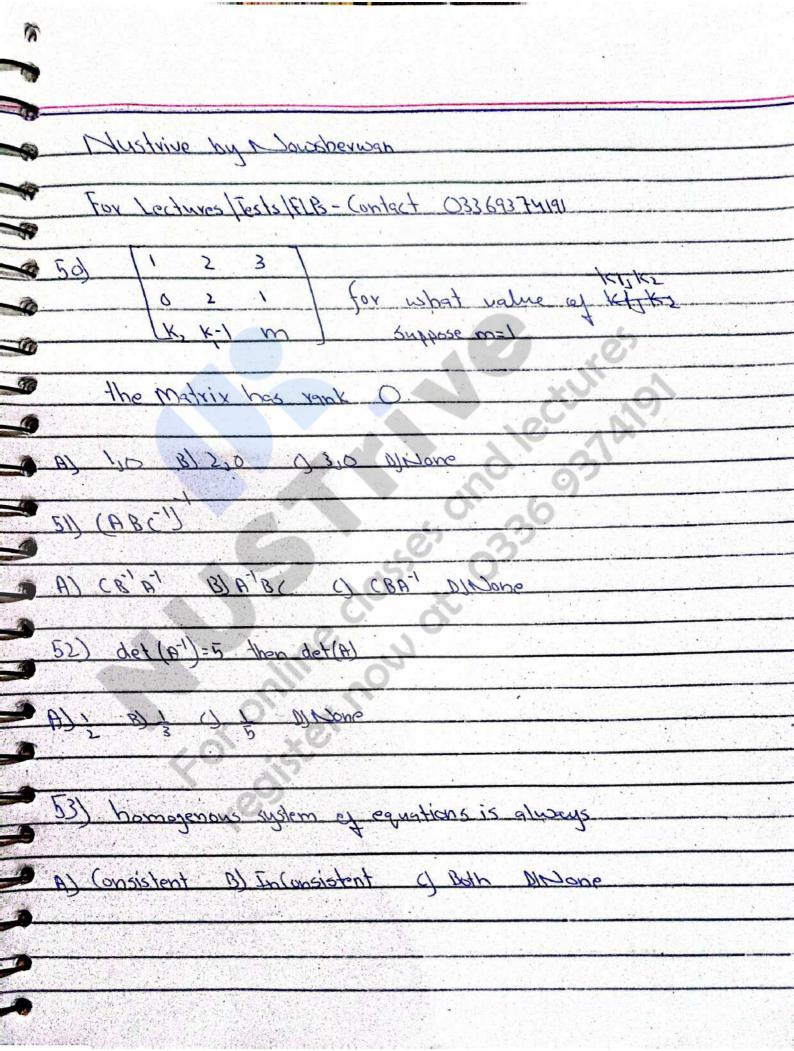
	1
25) Matrix Multiplication is	- 6
A) Associative B) Additive C) Distributive MNage	
26) I is Identify matrix, then (I)20	
D) 27 B) I () 31 D) None	- 1
27) 2x3/3x5 - J resultant matrix order	9
AJ 5X2 BJ 2X3 () 2X5 UNDone	-
28) 1 3 10 0 10 10 10 10 10 10 10 10 10 10 10 1	9
A) [4 4] B) [1 3] () [10] D) Notice.	
29) If A is Symmetric and B is Skew Symmetric	
(AB)'	<i>\$</i>
A) BA B) R'A ()-BA DINJone	<u>, 'S</u>
	9

Mustrice by Nowsberran **63369334191** 30) & matrix A with Complex Entries is Called A) Hermitian Matrix B) skew beamitian of Scales Of Nobre 31) A) Scalar B) Diagonal () Identity DINDONE 32) Noterminant of 15) 1 () Brilghay 18 7 (9) Mone 33) Aij = Cij = A) (-1) Aij B) (-1) mij () (-1) mij MNone 34) If ity is odd then (ij: A) Mij B-mij () O DINJone



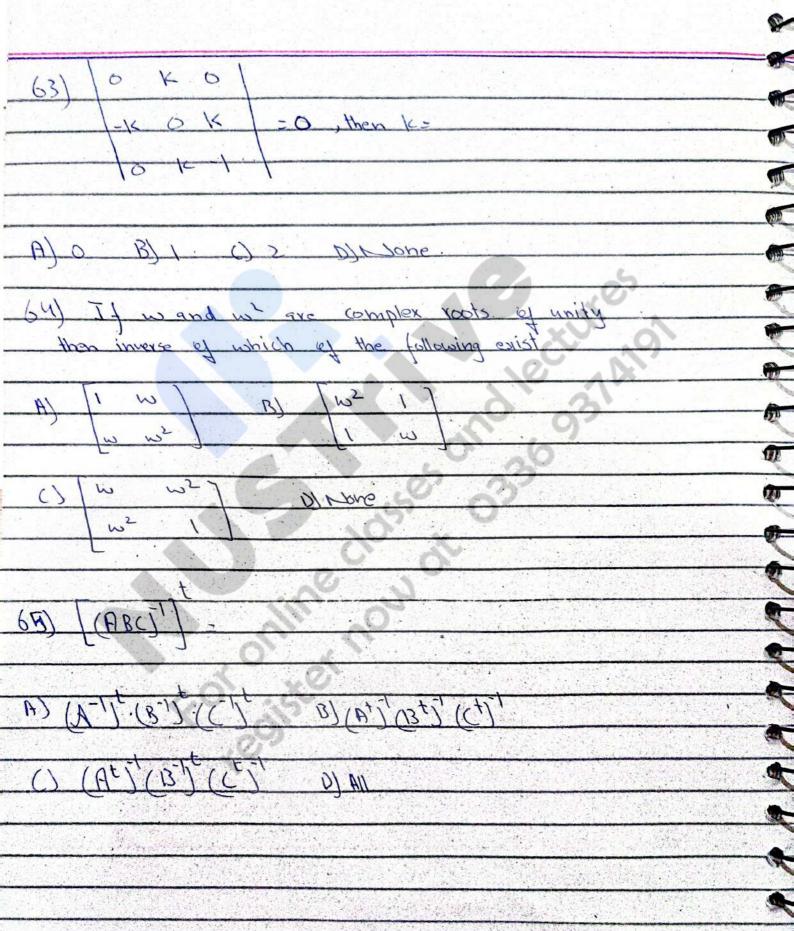
NUSTrive by Nowsherman For Lectures | Tests | FLPs - Contact 03369374191 40) If (KA)= A) K'A' B) KA' C) ICA D) None 41) (An) = (A-1) A) True II) False () Both DINONE 42) A= A) undefined R) Defined () 1 D) None 43) If a Matrix is Singular, then A)(A-1)=A B)(A-1)=>(AT) () (KA)= K'A' Minone (44) adj(adjA)= IAIA where n is non singular Matrix A) Correct B) Partially Correct C) wang Whome





54) 3x+44+52-0 6x + 8y + 10 2=0 9x +12y +15)=0 A)(O1010) B) Infinite folutions () 2331 D) None 55) Rank of To where I is Identity matrix A) 2 B) O C/5 1) None 56) X+4+12=0,-)X+4=2=0,-X+54+2=0 has M A) Trivial 501 BINDON trivial 501 C) Infinite 501 A) Symmetric B) Skew Symmetric y Identity Ninbone det (3A) A) 0 B) 810 () 270 DINONE

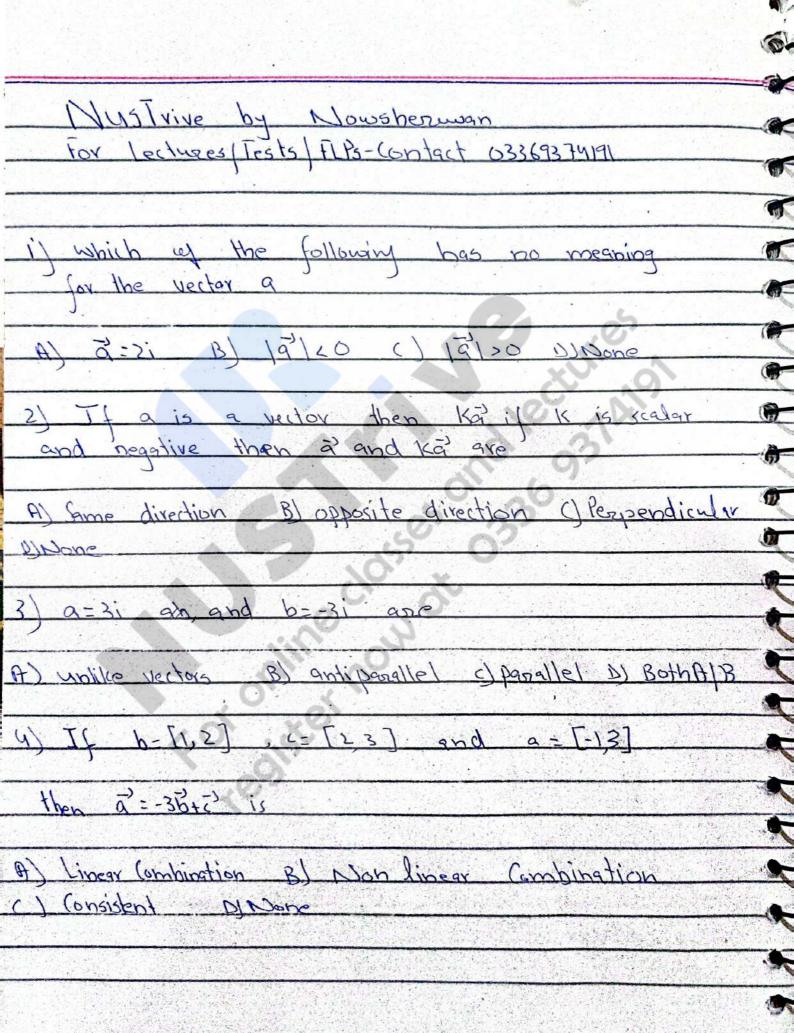
59) If 2A +3B= [2-1 4] and A+2B= [5 03] [8] A is skew Symmetric thep atbectdietf A)-4 B) 0 -3 B) 5 () 5 DWone Ldigith 62) det of 3x3 matrix is Transpose of Cofactors of the 3x3 Matrix = A) Yes B) No (1 Partial Yes D) None و USlrive by Nowsherwan-

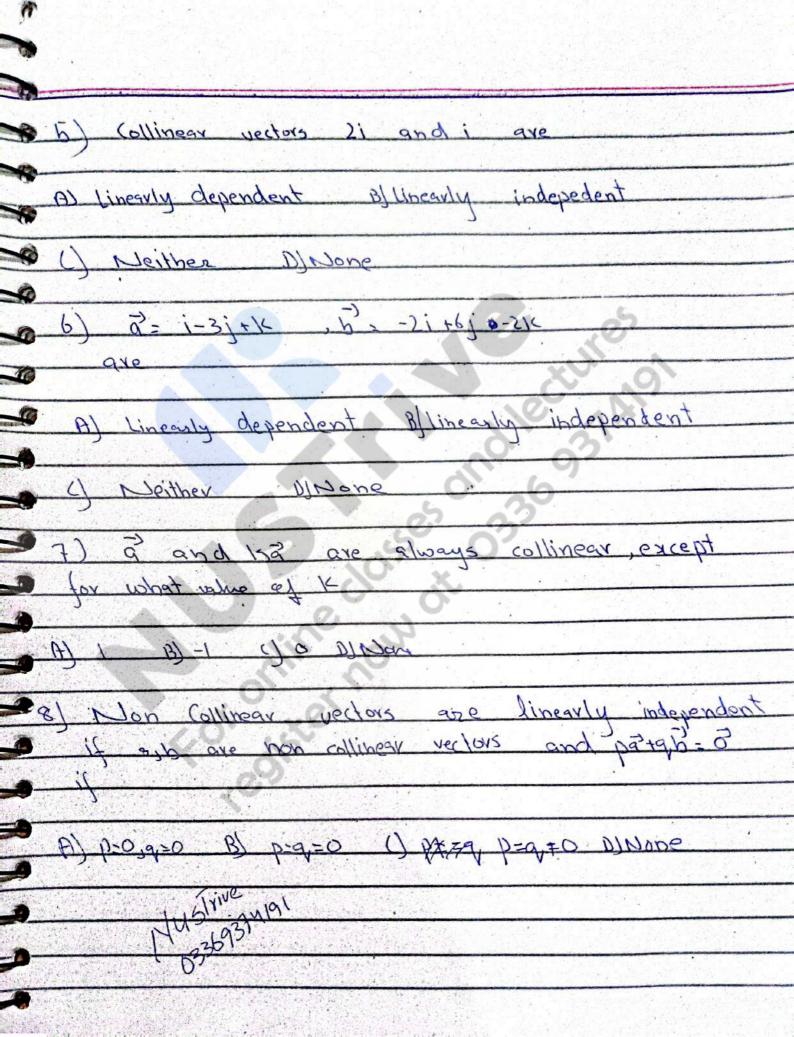


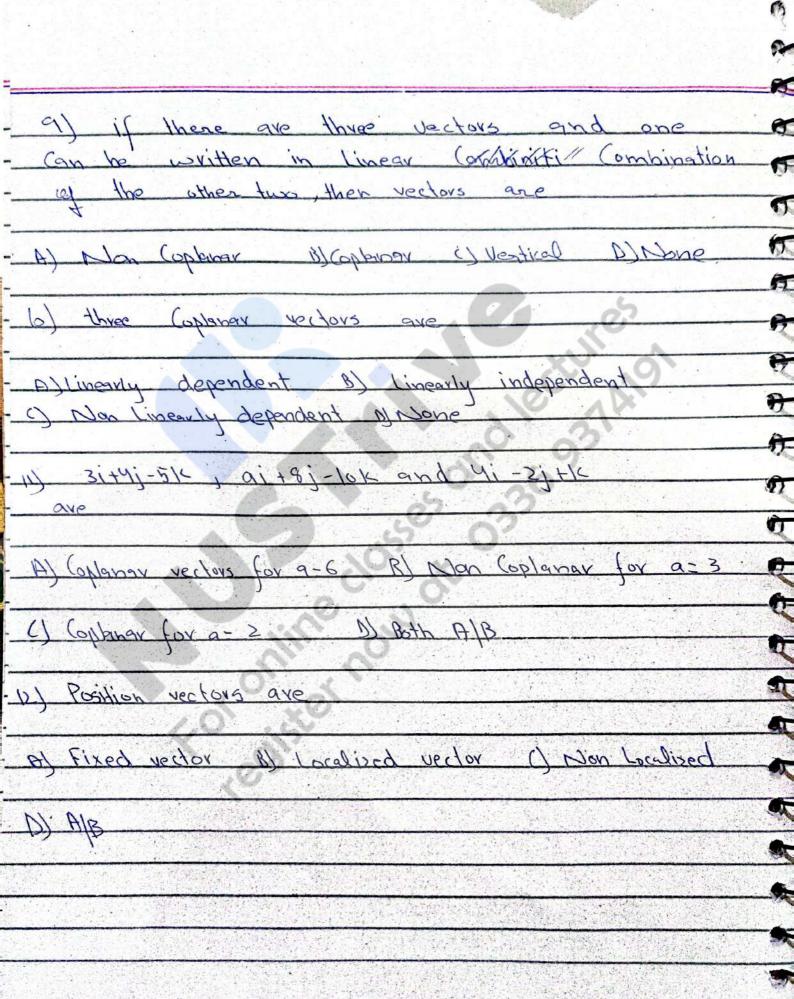
JUSTVive by Nowshervan For Lectures / Tests/FLPs - Contact 033693 74191 et A he non Singular natrix of order 4x4 then kidjAl. ALLAL BLIAP CITIAL DINONE -9 ()(x-y)(4-2)(x-2) DINONE A) xyz B O A) No Sol B) Unique Sol 69) AX= 8 -> System of linear Equation is homogenous -5 = A) A=0 BX=0 OB=0 DNOWE

70) In Gayss Tordan Elimination, Augmented matrix AX= 8 is Convented to A) Heduced echelon B) (anonical form () Echelon Il Transpose of voitingular Matrix is A) Square B) Rectangular () Scalar DINDone 72) If A is Non Singular than A is W 73) A = [1] B= [1] then det (R2-B2) by Jedunes Jests FLPS Contact 033633 man (A) () 2 DINane 741 0 99 0 00960 A) 1 B) 2 O 1 DINOGE

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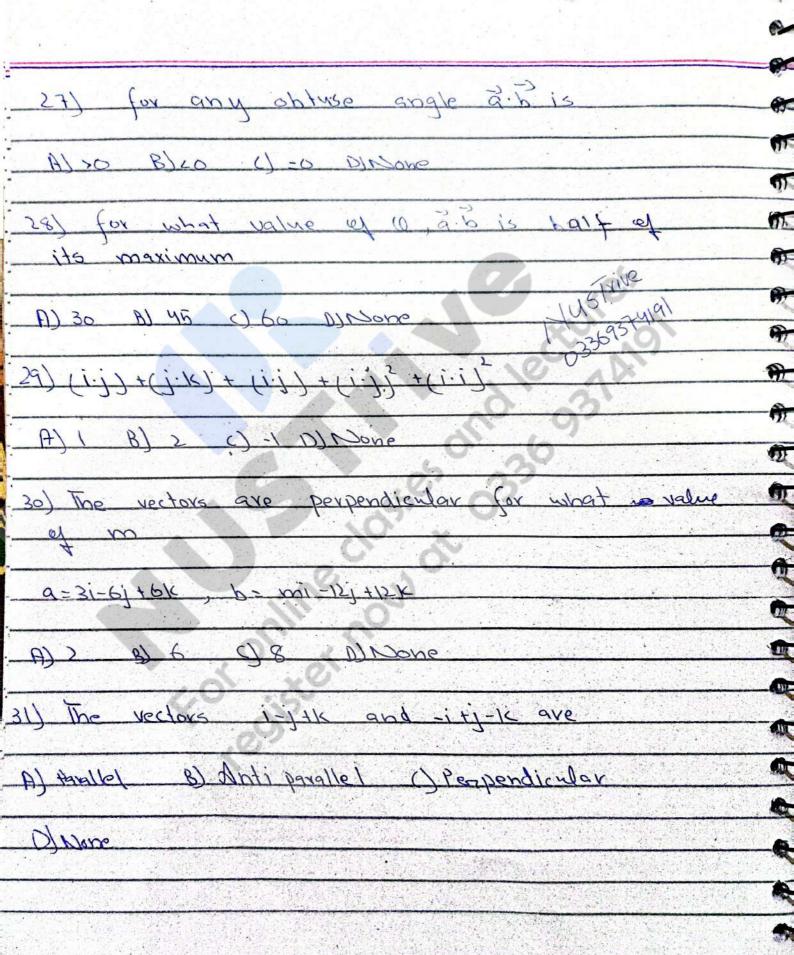




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13) A vector lerminates at P and started from 0. Then 0 is
A)(0,0) B) (1,2) () (and he determined Distance
(14) the vector \(\alpha\) for the vector \(\alpha\), they are [\alpha\) \(\alpha\) \(\
A) Beciprocal B Localized Charlingarly Dependent DINone
15) The vector AB is
A) Position vector of B - Paillion vector of A B) Vector R-Vector A C) Par vector of B-Vector A N) Name
The additive identity of noctors is
A) Non wall vector 13 Dall vector of Dependent Diage

17) The unit wollow ather is (a) lathre B) athte () (athte) (19+P+C) 19+b+c1 1 - 18) was is true - A) 1948/218/41 B1 1948/218/11 mache [81+15] () = what : 19) The vector it i makes with 7 axis Q) : Al 46 B1-45 () 90 DINOVO - 2d The vector itili makes what angle ű with y axis - A) 45 B) 60 C) 30 NI None - 21) If x, B, x are direction angle of x - then (x2x+(05x+(05x-- A) 1 B) 2 C) 3 D) None

recurrenced pd sointends. For Lectures | Tests | FIPS - Contact 033693741911 > 22) · Sinatsing tsing v= M) 1 B) 2 0 0 MNove 23) The vectors modulus is the projection A) itself 11) other vectors () only if Q=245 grider [a 24) if a=0,5+0 and a=0 then Q is A) Q=45 B) D=90 C) Q=180 D) Not defined 25) 0 b is A) lector RI scalar C) Tensor DINONE 3)(3) Segler product is A) Distributive B) Additive · () Toverse DINDOR



Trive by Nowsherman For Lectures Tests FIPS-Contact 03369374191 32) 21-3jtuk and mi-6jt8k are parallel A) m=3 B) m=4 Misone C) m=-4 33) (2.5)-A) a3b2 B) a3b2-(axh)2 c) (axh)2-a2b2 W) None 341) a.h-axb for a A) -0 B)-90 C)-10 0/ None (35) lath and late are equal of Q= A) Parallel B) Q=90 () Q=45 DINGORO 9+Q=0

	-
36) [atil=1 and a, i are unit rectors then Q=	-
A) 90 B) 120 C) 45 MNone	1
37) for and = absing , Q is	6
	-
A) OC Q < T B) O < Q < T C) OC Q < T	-
	9
38) (i:j) x (jxi)	9
A) O B) I () i-j D) None	12
39) publ is (9, b are vectors)	•
A) >a.b) B) < a.b) C) < al-16 D) None	<u> </u>
40) (1:jxK)"	<u> </u>
A) 1 B) -1 C) O D) None	•
11) axb is only defined # if asb are	-
	- 5
A) 2-D B) 1-D C) 3-D N) None	

42) Q2-1-j+K and R= 31-2j+K A) 1-2jt31c B) 41-2jt1c c) 31-2jt1c D) None (43) (axb) + (9.b) = A) (917/6/2 B) (9/16/2 C) (96/3 D) wome 944) ABOD with Diagonals Ac and BR A(- it) and BD = 2i-j then Avec of Quavilatoral ABCD A) 31 B) 2.5 () 1.2 D) Nove by Adjacent side vectors a and b is A) 1:3 B) 3:1 () 2:1 D) Nove 46) Cosai + sina j is A) Radial vector B) unit lector () localized DINone

47) a.bxc= A) begg B) coaxb C) Both D) None 49) a - 31+4/-k b = 1-j+k and c= 21-2j+2k find caxb ALL BO O 2 DINONE 49) find work done in moving in chiect along Pi-j+k and force is 3i+2j+k (B) A) 25 B) 26 () 23 DI None D 50) if for nectors a, b, c a. (b+c) = b(9-c) A) ((9+b)=0 B) (x(9-b)=0 C) ((9-b)=0 Distance 0 51) if IAI=IBI then onle blue A+B and A-B A) 0 Bl 90 (1/80 M) None

1

m

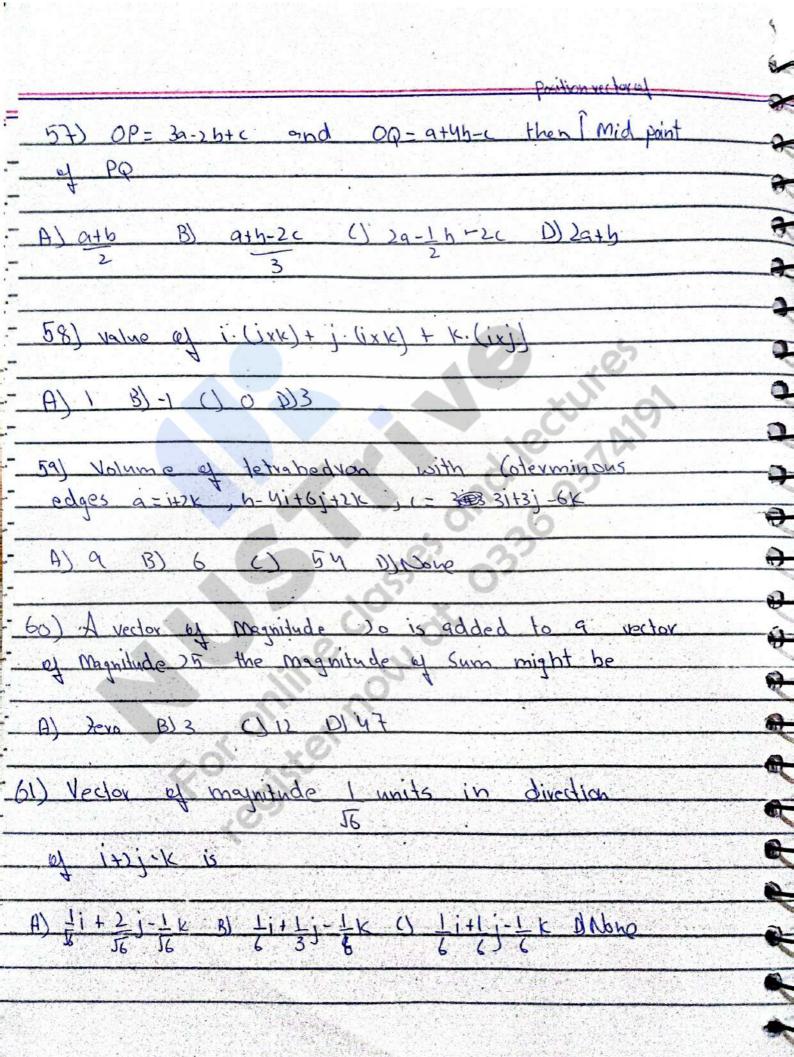
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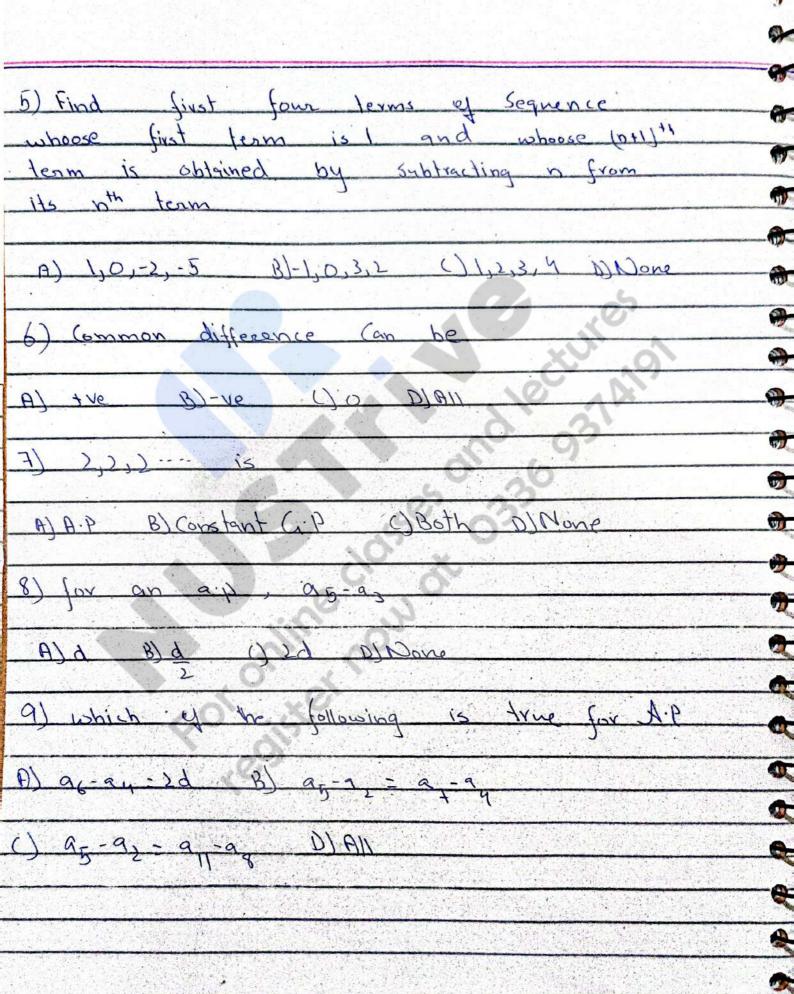
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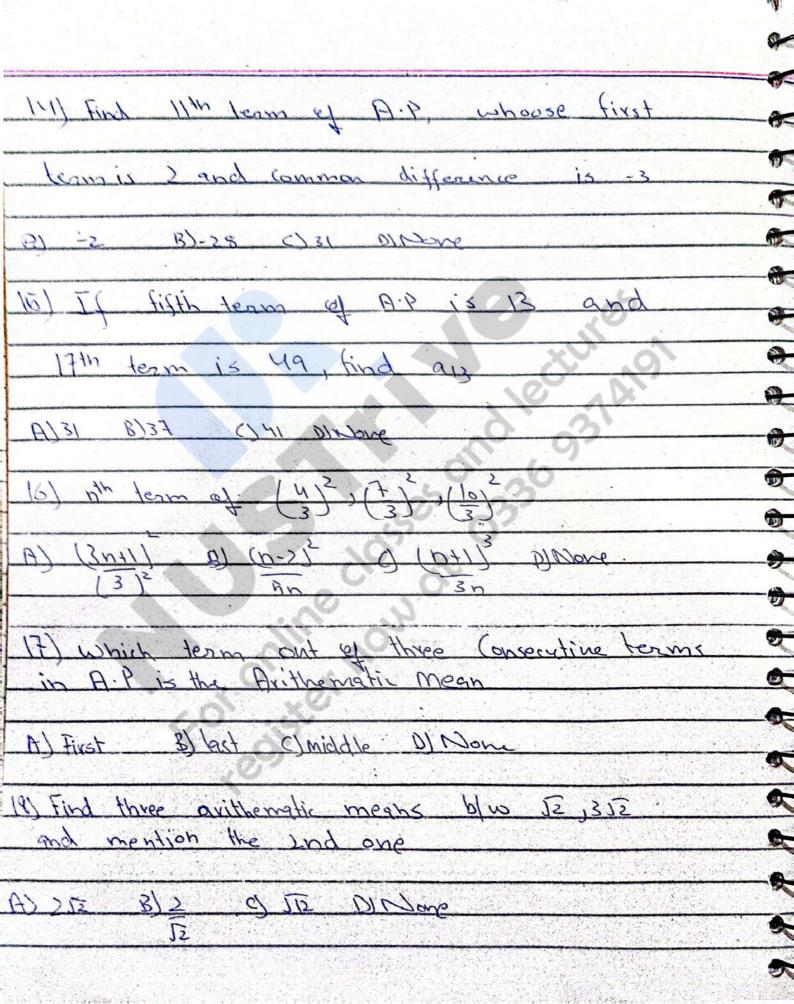
1 USTrive by Nowshervan For Lectures | Tests | FIPs - Contact 03369374191 52) Para Perimeter of Triangle made by (2,2,0) B) (-1,0,2) and c (0,4,3) 10 -A) 21 B) 31 (141 DINONE -53) Moment of a force i+j+k at a point (1,2,3) about origin -9 A) -i+2j+k B) -i+2j-k () i-2j+k Olvione 54) unit vector 1 to a=j-2j+1c and h=-i-j+2k 9 55) how many Components (an a vector have (A) 3 B) 2 ()1 D) None 56) how many diff unit yesters can be I to (i-j) x(4itj) A) 1 B) 3 C) 2 Dyrlors.



	451	live	by	Nowsher	wan				
For	Lectu	nves Tes	ts IFL	Ps - Con	tact	033693	74191		
Sec	vuence	and	Series	and the second second second second		46	} -	,6°	
1	0,3	, 2	d'as -	first the					
4)_	n-6	17,	B	n+(-1)	ال	ري ک	2-(1)"	D Non	e
				e bas		0)	96		
4)	Finite			Company of the		ngin	C) In	finite Do	maix
DIN	one		<u> </u>	e ^y	36				
J F	ifth	Jesm	+	Filonar		equence	<u>: 15</u>		
(A)	5	B) 3		01	برزن	Sore			
7	5th te	ım ej	7÷	iangula.	Υ	Segue	nce	44	
A)	100	81) \	()_2		110	Jone		
		R1) \) \			110	Jone		



Mustrive by Nousberner For Lectures | Tests | FLPs - Contact 03369374191 1 , 1 and 1 are in A.P then d 10) I A) 9-4 B) b-c () Both DINone 11 Tf -x2,11,x2+1 form A-P, 11= A) 1 B) O C) 1 D) None 12) WOF is true A) 94-91 d B) 94-91 d () 95-92 - Al Noine (3)01,2,3,9,5...3), find Number of Term A) 32 B) 31 () 33 DINone



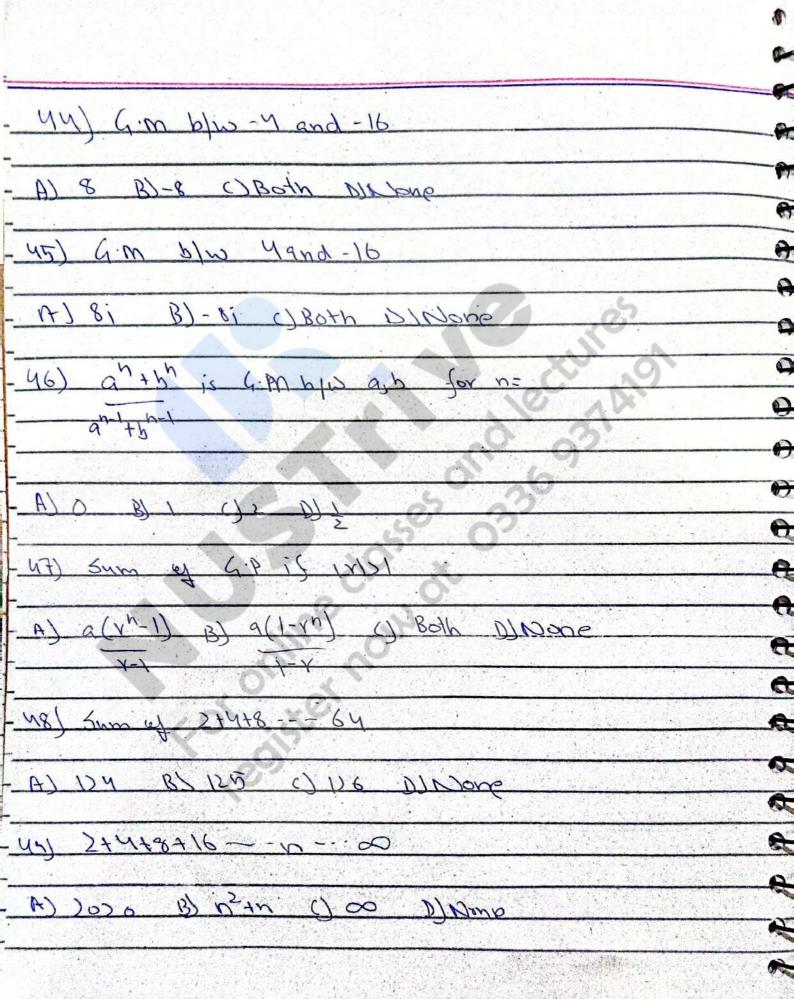
19) Find n so that anth -3 A)1 B) 2 C) O) Nove 20) sum et soven grithematic means blen 2 and 12 9 A) 20 B) 27 C) 28 11 Nove 21) Sum of 2+4+6--- 100 9 A) 225 B) 2525 () 2100 DI Nove 22) nth ferm of In for 1,3,5 anom (U) (1) (1) (1) (1) (1) (1) (1) (1) 53 Sum of 132,32. B) n(n+1) B) n+p () n(n+1) (2n+1) B) (p(n+1)

HUSTrive by Nowsherwan For Lectures Tests FIPS - Contact 03369374191 -24) Sum of Ap is Given by A) is (artern) B) is (sarth-1)d) () Bother 1) 1 0 26) If the Series -9,-6,-3,0 Sum upto 66 1 then number of terms are 1 - A) -4 B) 11 (3 11 Mone 9 26) If Sn=n2, Sind a5 - A) 9 - B) 16 C) 25 D) None - 27) NH Jam of commodion for AP is - A) linear B) anadratic () Cubic 1) None

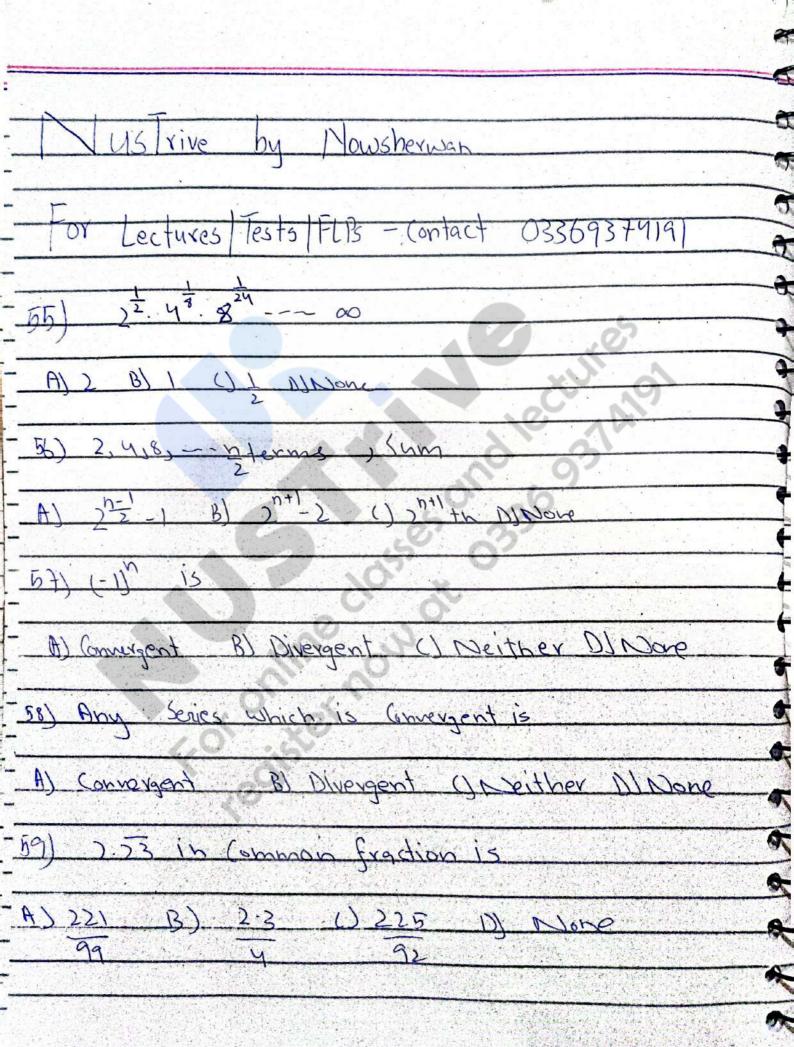
28) with term of A.P is A) Linear B) Quadratic Oubic DINON 29) Sum of the Series (1+2) + (1+2+22+23) ---47 Juts - W B) 3 pt 5 W- d () 3 pt 1 - W OT Movie 30) If ashic form A.P. then 2 2 2 form SALAP BI G.P CHIP DINSONE 31) For an A.P. is 522=350 then A) 536=35n B) 53=65n C) 45h=83h o) None 32) Sum of First loo Natural #'s that are divisible by 2 or 5 are A) 3550 B) 3150 C) 3360 DI None

33) If Sum of 3 Numbers in A.P is 9 and Sum of their squeres is 30 A) 312 B) 3 O L DINONO 34) For a G.P, ay A) 12, B) 13 C) 1M MNone -35) WOF Cant be a term el Cit -B) 1 B) 0 C/2 1/100 0 C/8 36) Beciprocal of G.P is 1 A) A.P B) C.P O A.P DINone 37) If Common ratio of ashic is a then y you I shall is 1 A) an Ban O as D) None

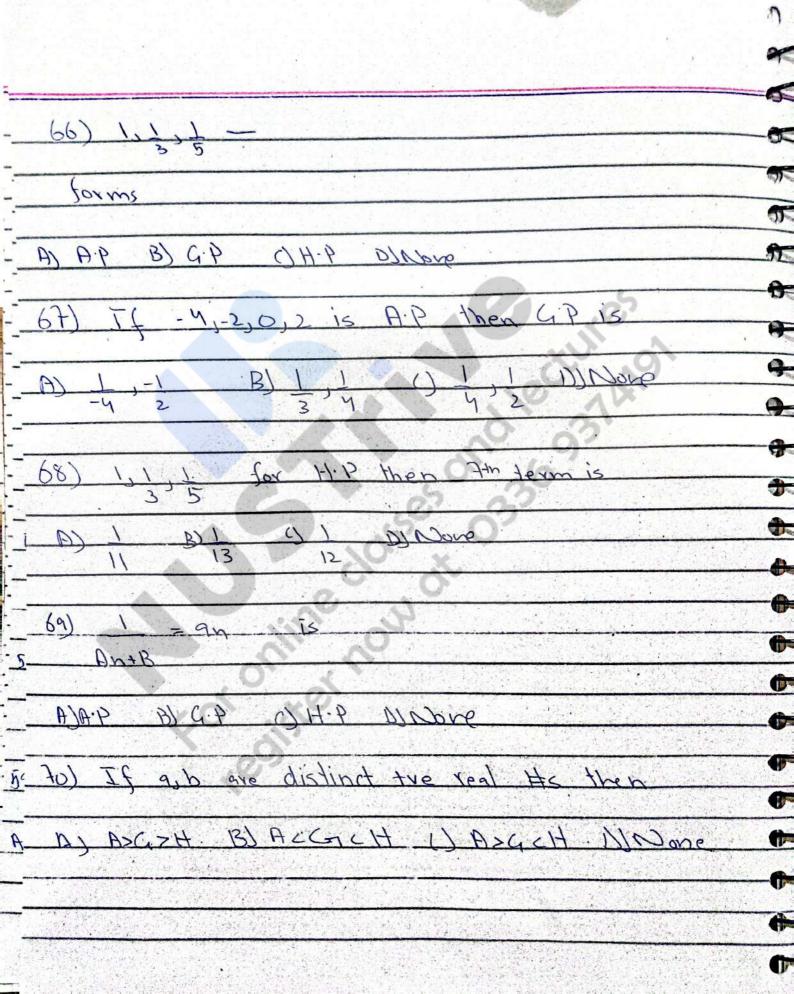
38) B) AP B) GP C) H.P DINONE 39) If xi-7, x1, x1+8 form GP Hoen A) 56 B) 58 () 60 DINONE Mo) Find an fox GP; F 94=8 and G7=-64
Find an fox GP; F 94=8 and G7=-64
Fig 9 41) Gm Was sity and 11-4 (A) 1x2+y2 B) 1x2-y2 () 1x2-1 D) None 42) If a bic are 7th, 9th and loth term of a GP repetively then B) 03-62 B) 13-926 C) 03-62 D) 13-912 = 43) G.M MW 4 and 16 AT 8 B -8 C) BOTH DINONE



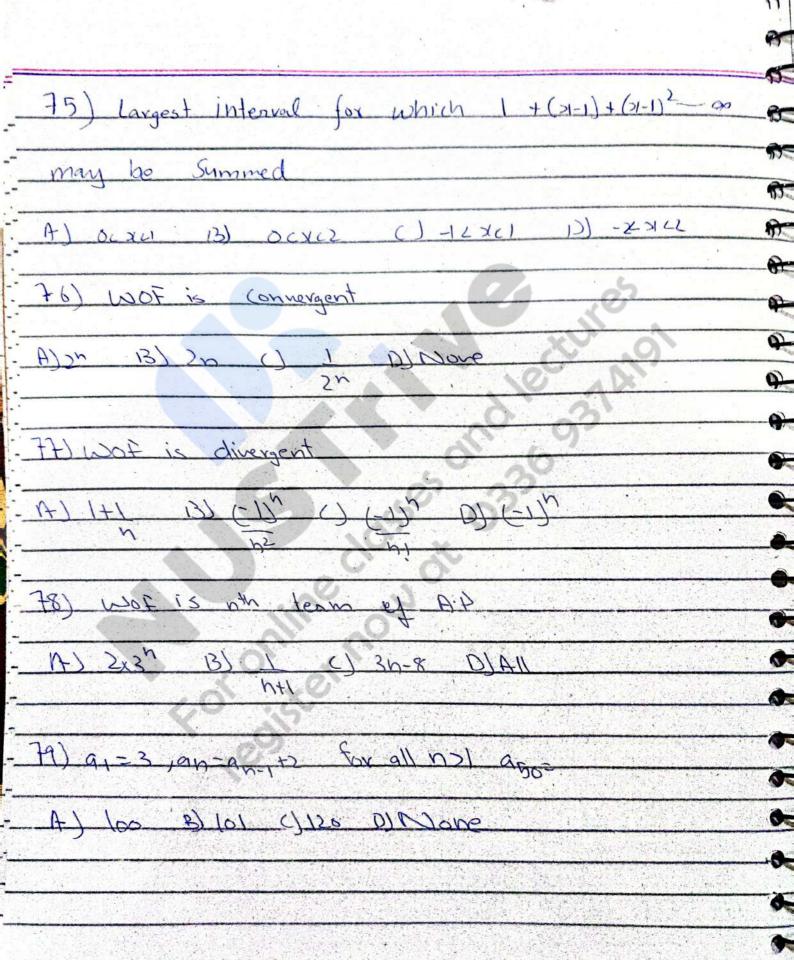
\$ 50) 1+2+4-B) 1 50) Sum w A) 2 B) 5 () 8 D) None 9 52) 5mm et 0.1+0.01+0.001 9 A) 1 B) 2 C) 1 53) If 21 = 0.3 then sty is or Amel DINone **A**) 2 6 hy) An infinite G.P has 1st term is A) NO2 B) XCB () OCXCB D) None



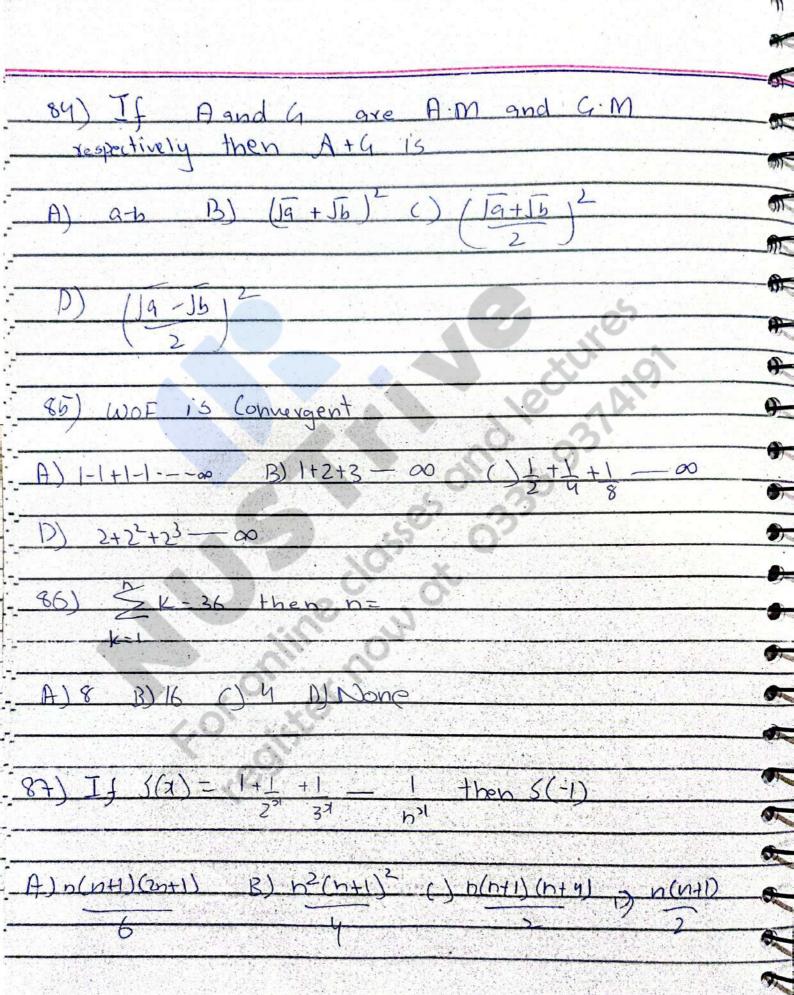
60) 0.1234 - 21 then sity A) 4163 B) 4613 (J2163 D) NOONE 961) If first term of GP is twice the Sum of Jerms often it then re A) I B) I O I DINove \$ 62) Froduct of 50 GM blus 4 and of SAJI B) C) 3 DINOVE PSF bores E and M.D. P. Ju Fandors (E8 A1 312 BI 314 (3316 DINOUSE 6M) 2+2+2+2 A) 2n Byn U. Gn DI None PD) N=1+5x+AN5-17/ 2-1 B) 2+1 C) N-1 DI Mone

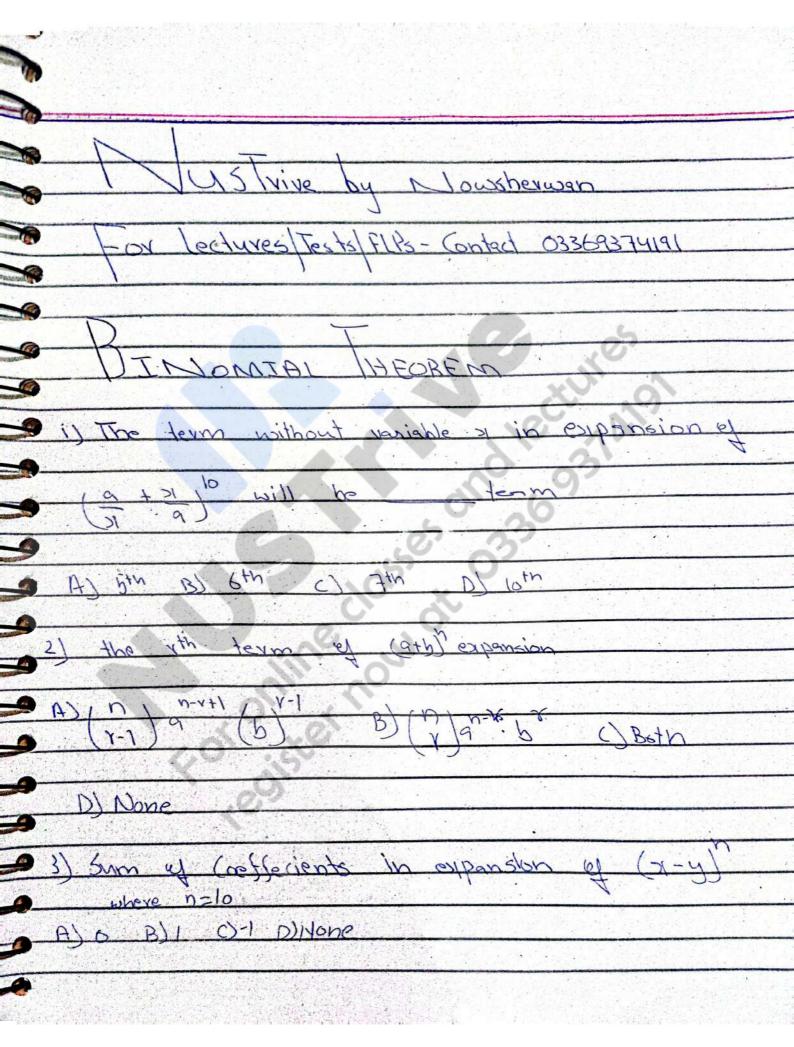


WOF is true If By Have A) G2-AH B) H2-GA C) H2-GH WI Nove are 32 and to respectively then Gan is) 8 B)-8 C) Both DINOVE att + Put 12 H.W Gut Py . D) None 9 A) 0 75) Sum of First to term of 12+22+32 A) 375 13) 321 () 14 1) 16



USTrive by Nowsberman For Lectures | Tests | FLPs Contact 03367374191 80) If Sum of 1st n terms of two A.P are in the ratio A) 47:06 B) 47:106 () 8:15 NNOW 991) for 1 G.P 913-1, 918 = 243 + Henry A) 2 B) 3 () 3 D) Nove 82) HM b/w = and = is A12 B) Xty C) XY D) Xty 83) Frant value et 0.318 is A) 7 B) 22 (121 D)None



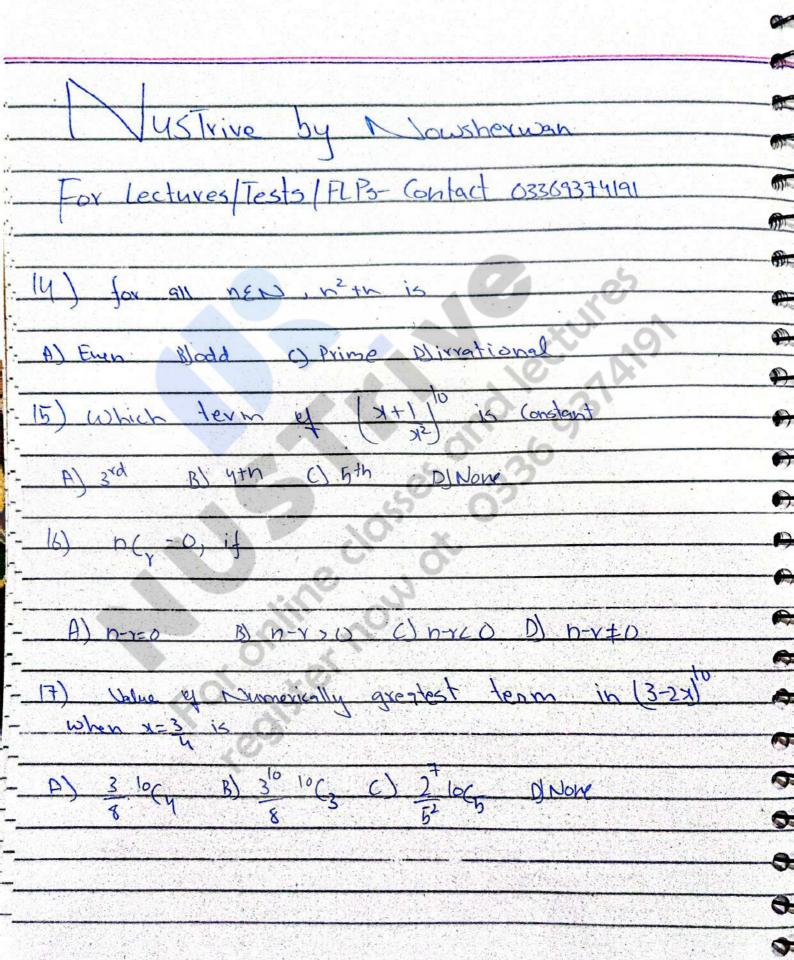


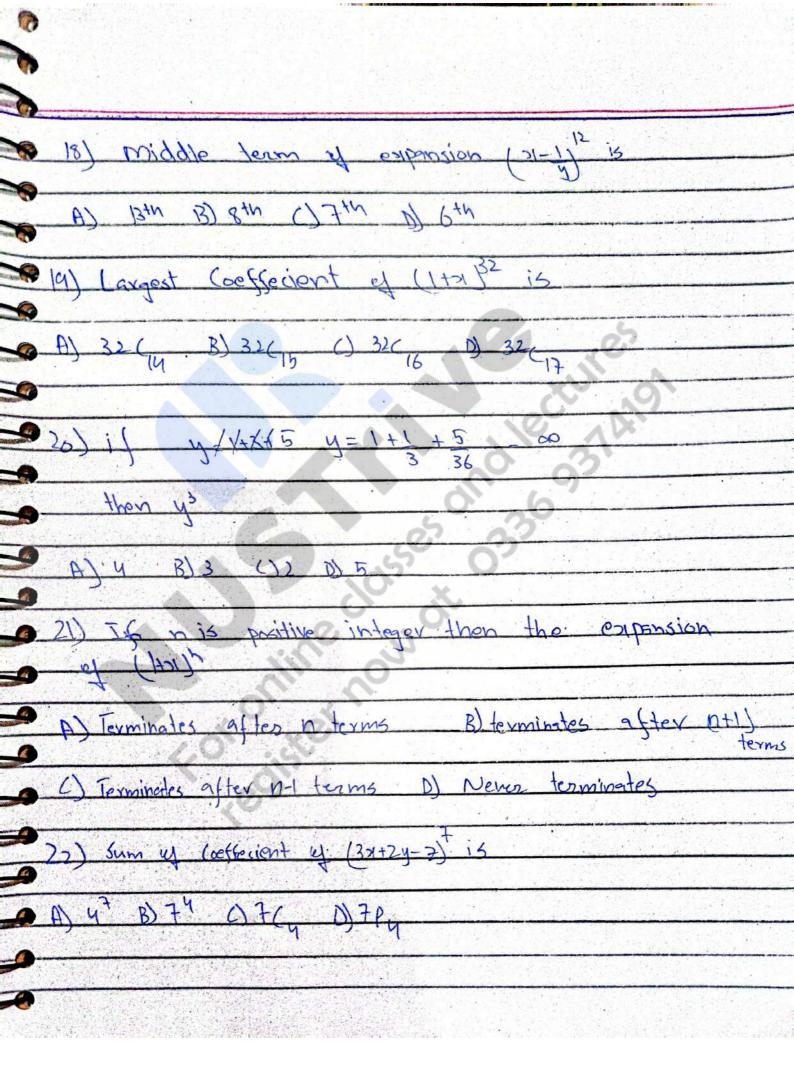
1) when Sum of Even Binomial Coeffeigents is 512 the binomial expression will be (KH) (1 8 (KH)) (KH) (B . (KH) (A .: 1 (9) If it is such that it and higher powers

(9) The neglected the 1-34 F-1 (A) 1-7 (B) 1-2 (A) -7 (A) (-6) our of Powers of sand in (x-h) - Sum upto A) 10 B) II C) 12 D) None - 7) Humber of term in (1+x) - A) 2 B) 3 (1 D) None -8) Last term in expansion of (3x+34)7 0 (A) 3y⁷ B) 3²y⁷ C) y³. 2³ D)None

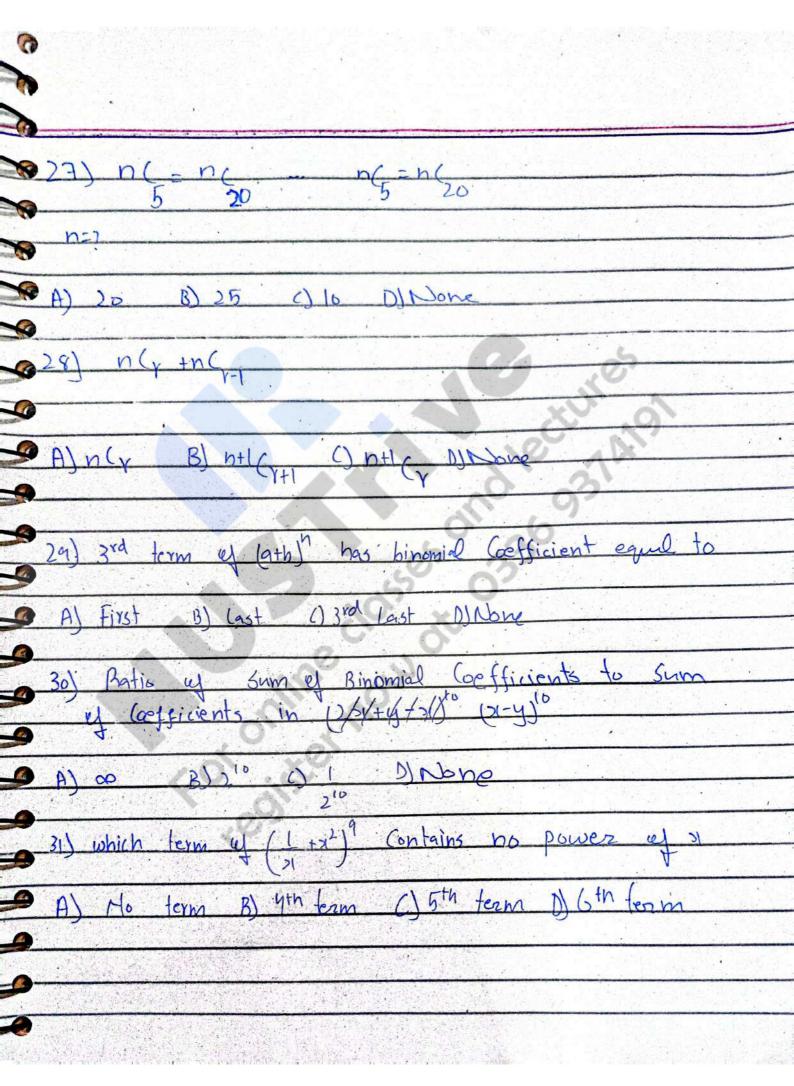
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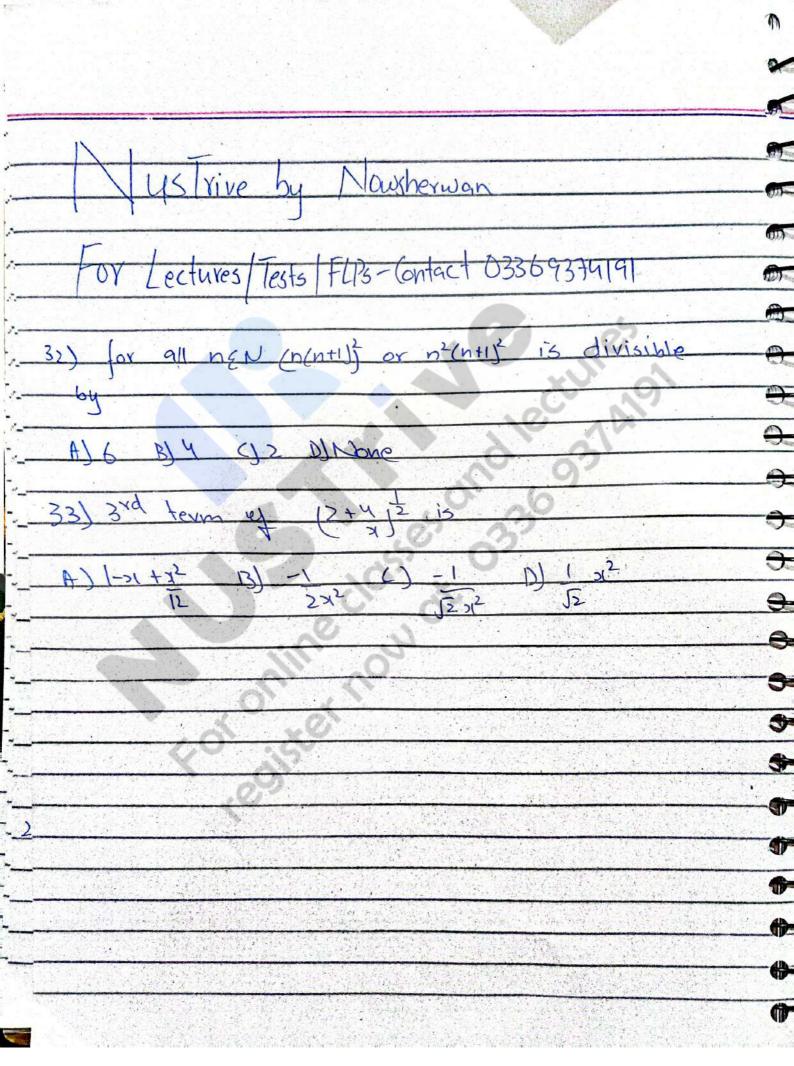
9) The expression $(9+2)^{-3/2}$ is valid if B) 17/12 () 17/2 D) 17/72 P 1 1 79 6 10 in is Even then middlevm -0 Int 3) if nEN; then n! >n2 is true for all e Ala B) nol 8 no 2 D

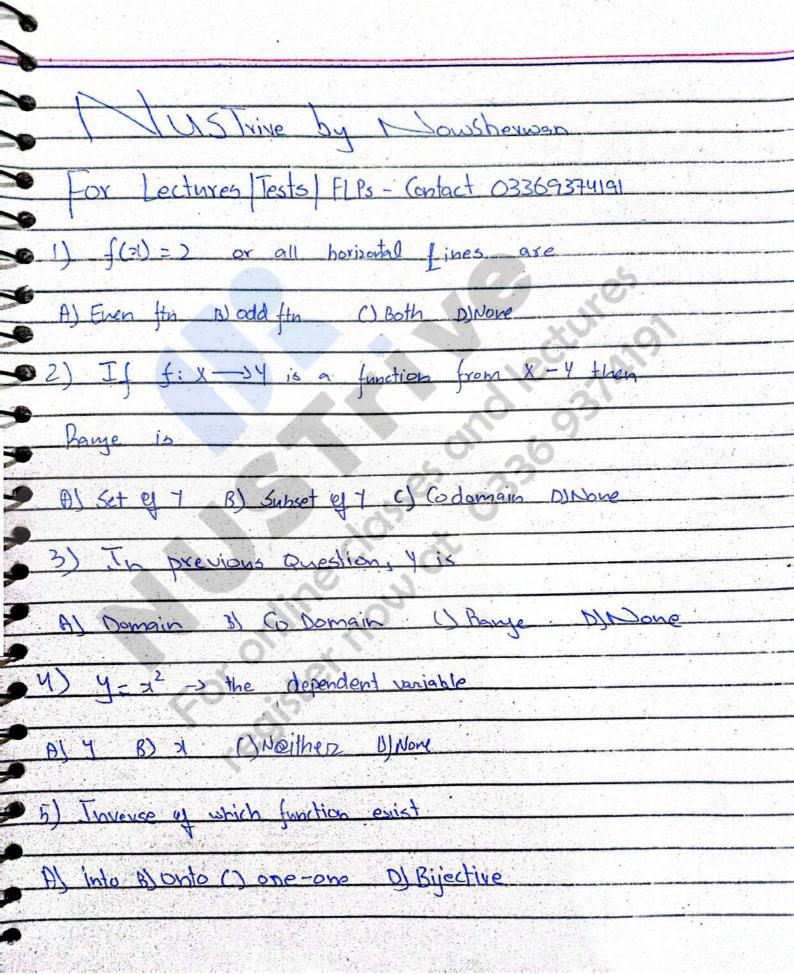


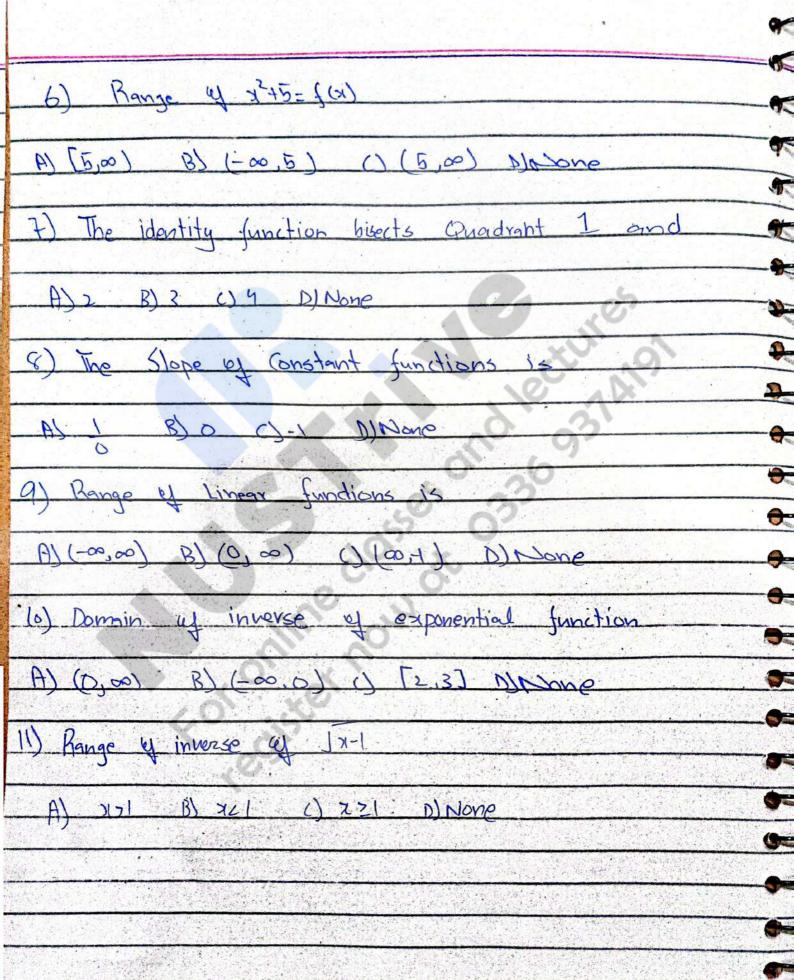


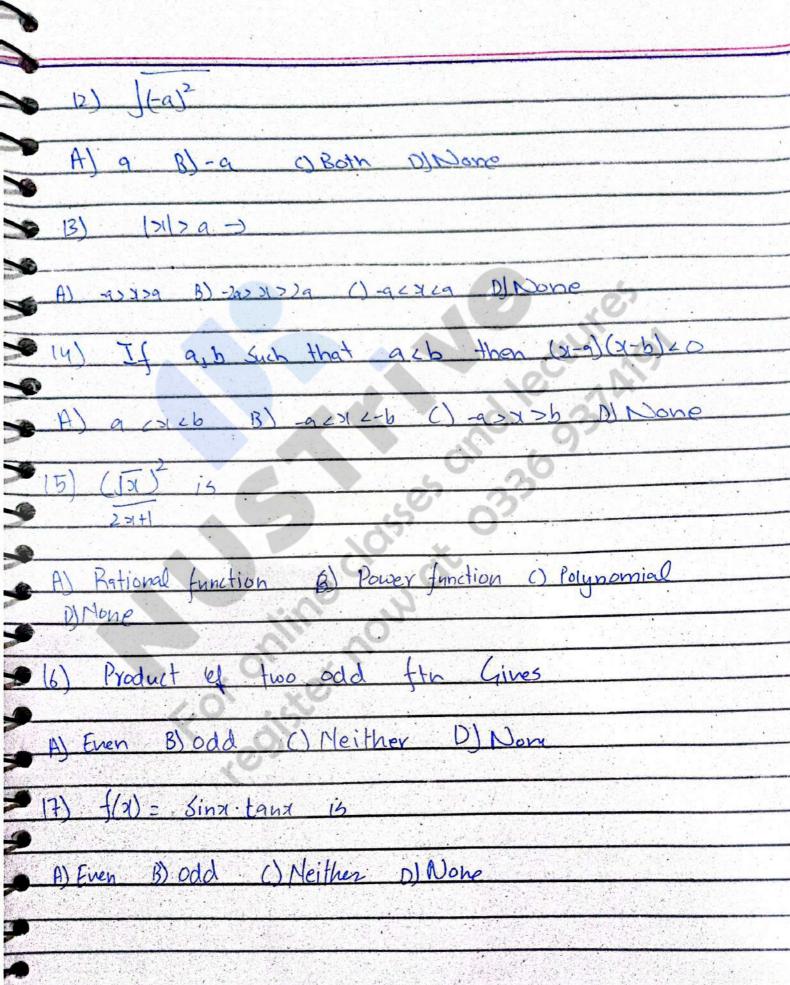
145 Trive by Nowsherman For Lectures Tests FLPs - Contact 03369374191 [23) if 1+3+35 is identical with transmin-1), A - 2 B - 1 () - 3 D) 1= 24) Expansion of (5x-8) as an infinite series in x - H) MES B) MICO (12155 D) (2115) - 25) if n is a rational number or a negative - 1) H1 B) n-1 () h D) 00 -26) Pascal triangle (an he used to find in (9+6) A) Exponents et aub B) Number et aub () Binomial (dessercions a

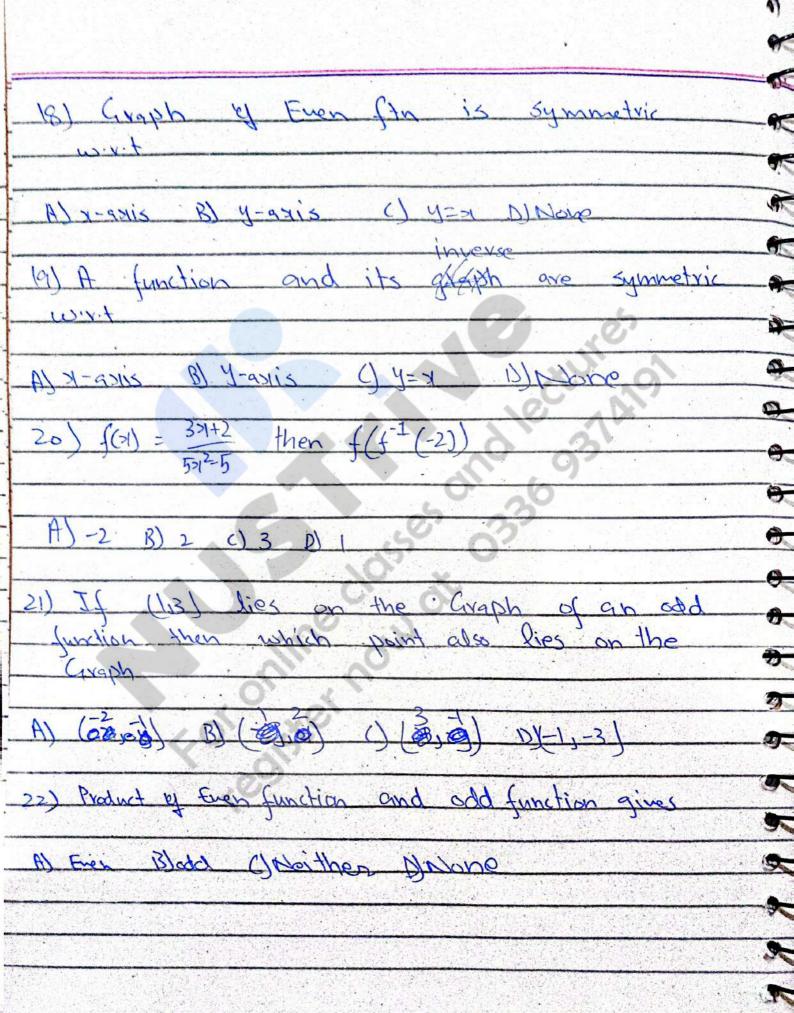








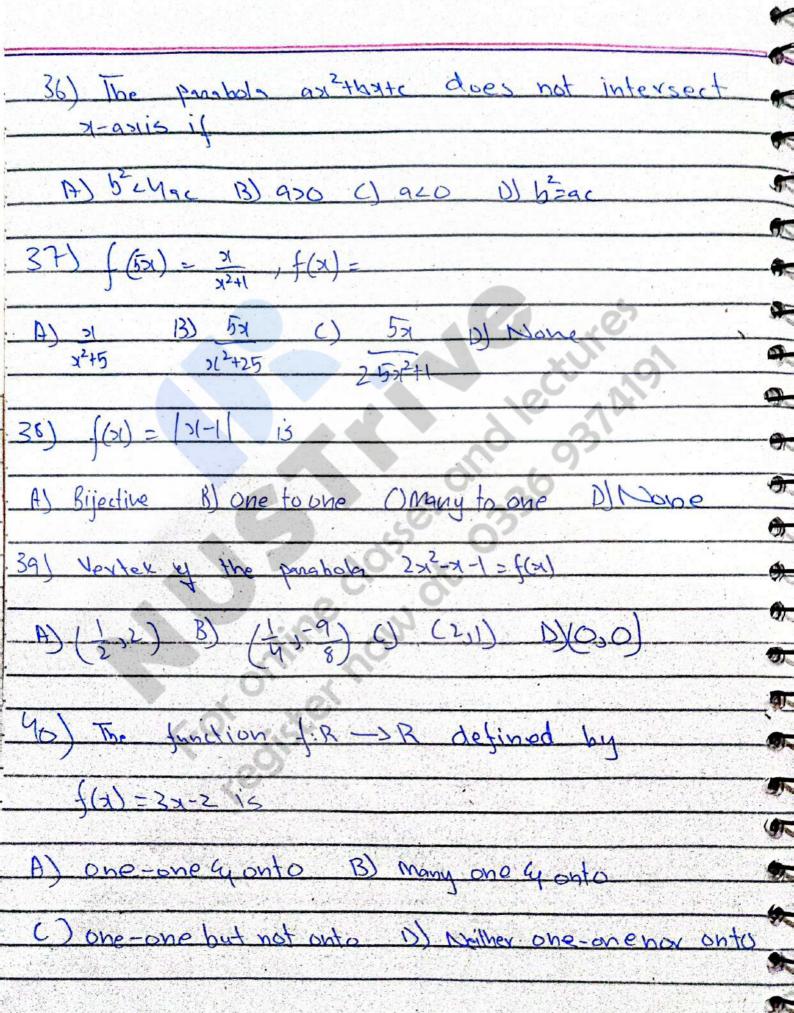




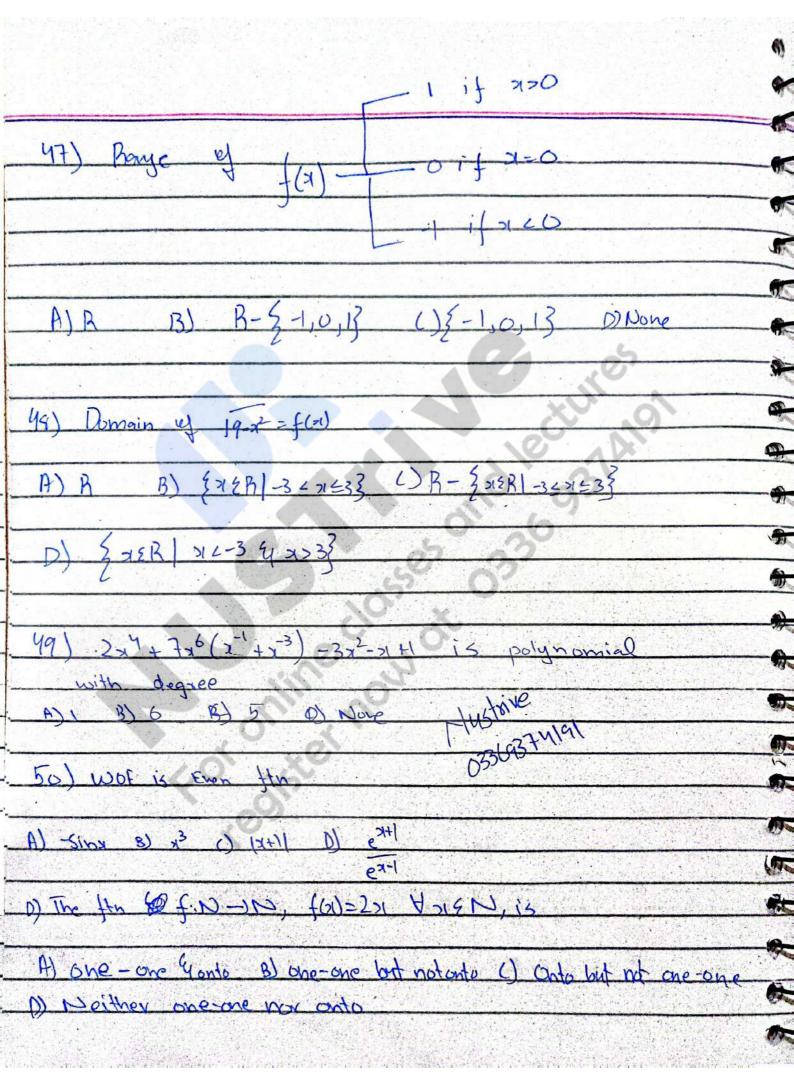
+(21) A) True B) False () Neither f(x) = Sinatana then Sinstanx D) None B) (x) Faustion 4 (-60) Soil A)-1(x-1)(1+1) B) (X-1) (>(H) =- 1(21+1) DINone

28) WOF is not a function A) 2>1+By=6 B) >12-y=6x-5 C) >2+y=16 D) 4=4x3-5x2+371-7 29) Vertex of -x2+4x1-6= f(x) AX21) B) (2,-1) () (-2,1) D/None 30) f(x) - 2x, [f(2)] A) 4 B) 5 OI DINOUP 31) If X = {a,b,c} and Y = {1,2,3} then which ex the following relations a function A) {(a,1), (b,2)} B) {(a,2)(b,1), (b,3)} (9,3), (9,3), (6,1)} D) { (9,3), (6,1), (4,3)}

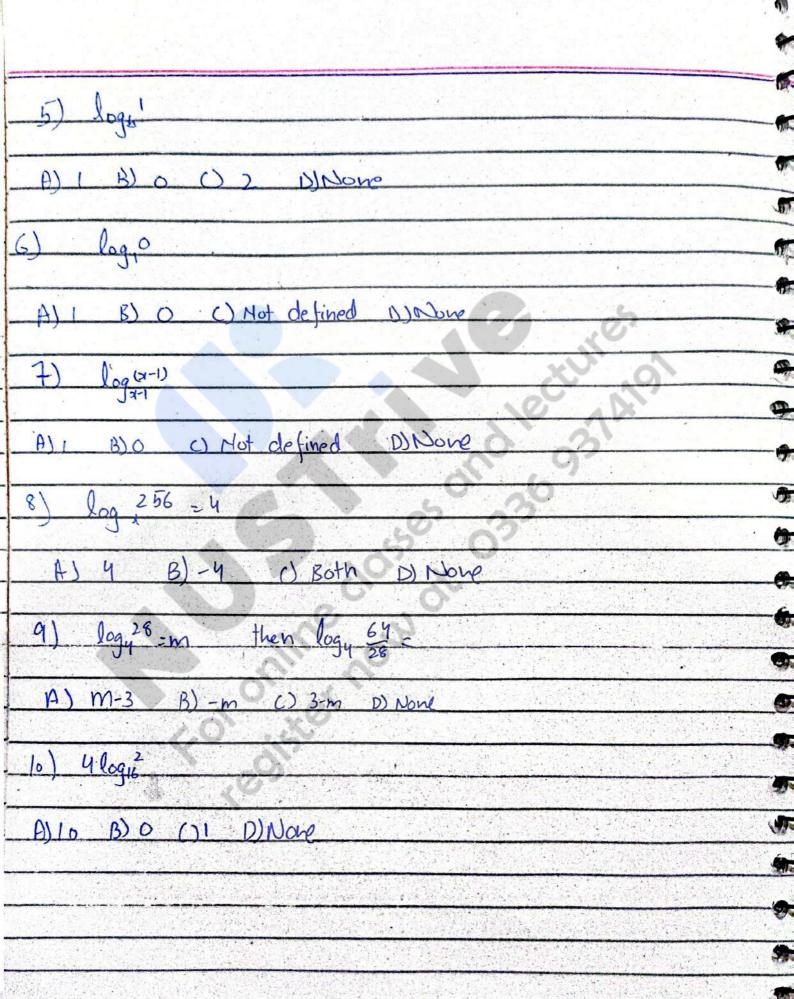
> 32) Common points on the Graphs ef $f(x) = x^2 - 3x + 7$ and g(x) = 2x + 1A) (25), (3,7) B) (52), (7,4) () (7,3)(-1,7) DY-61(-5,2) 33) $f(x-1) = x^2+3x-5$ then f(x+1)A) x2+5x-7 B) x2+3x-5 () x12+7x+5 D) Novo 0.000 34) WOF is neither even nor odd A) $f(x)=(05x-5in^2x+3)f(x)=(0-x)$ 35) let a function be such that $f(n) = f^{-1}(n)$ J If f(x)=a>1+1, then a= A) 2 B) (()-(D) 2 +USTrive 03369374191



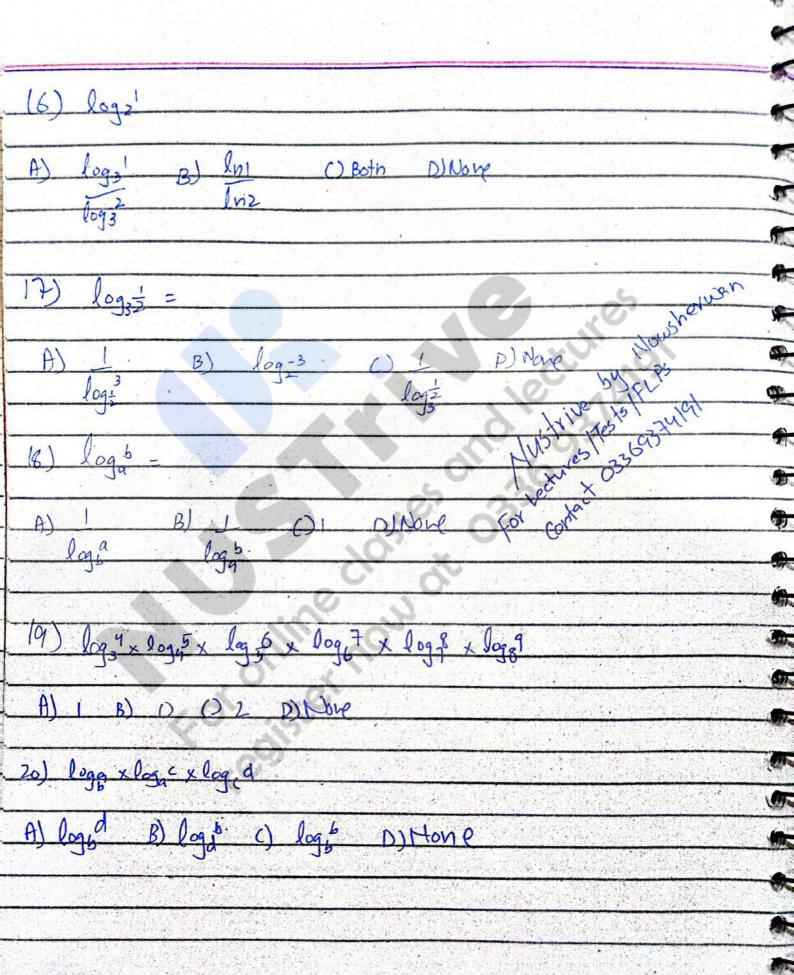
· D) None is Symmetric about HUSTrive by Nowsher For Lectives etc 0336937 43) |3-421 = A) - 4 B) >4 C) >3 DINONE 1=k (A is Symetric about (45) Graph of x2+42=4 A) x-oois By y-zois () origin DI All 46) f(3)=f(4)=0 and f(x)=x2+bx+c then his gre A) b=-3,c=4 B) b=3,c=4 C) b=-7,c=12 D) b=-1,c=-7

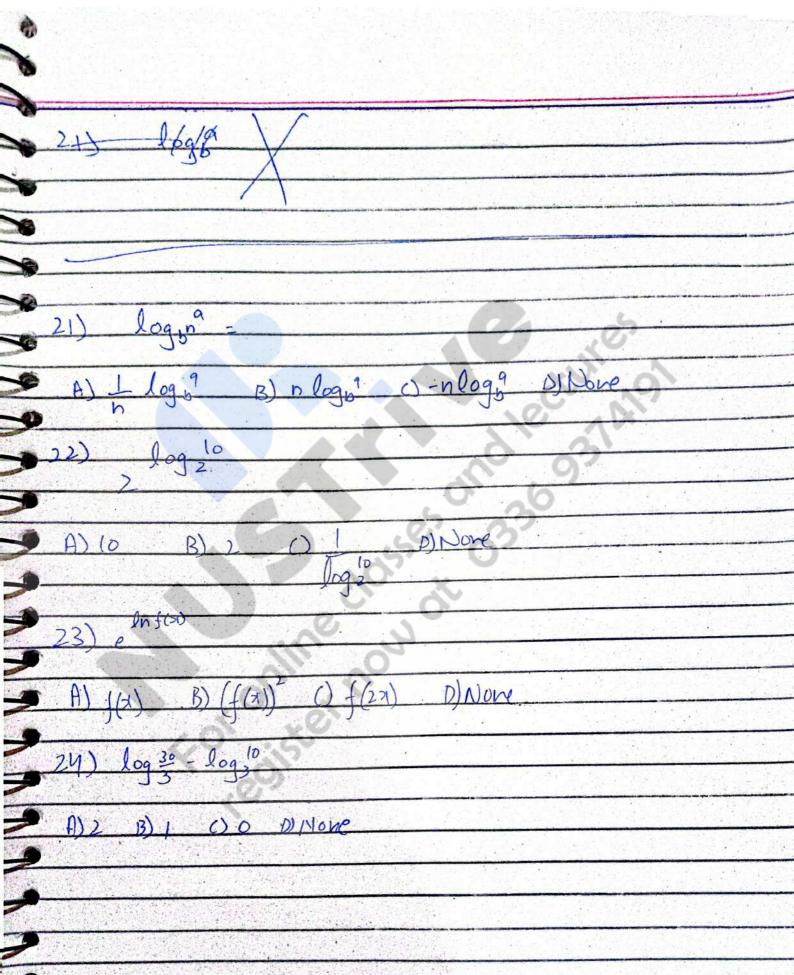


Trive by Nowsberman OX Live Classes/Testo/FIPS - Contact 03369374191 Miscellanous Topics -> Logs, xoots, Complex roots) logga=c > A) a>0 B) b70,6=1 c) Both DINone 2) If logg 9 such that ocacl then logg is A)=0 B) > 0 () (0 D) None 3) log 1/8 B)-3 ()-2 D) None 03 DNone



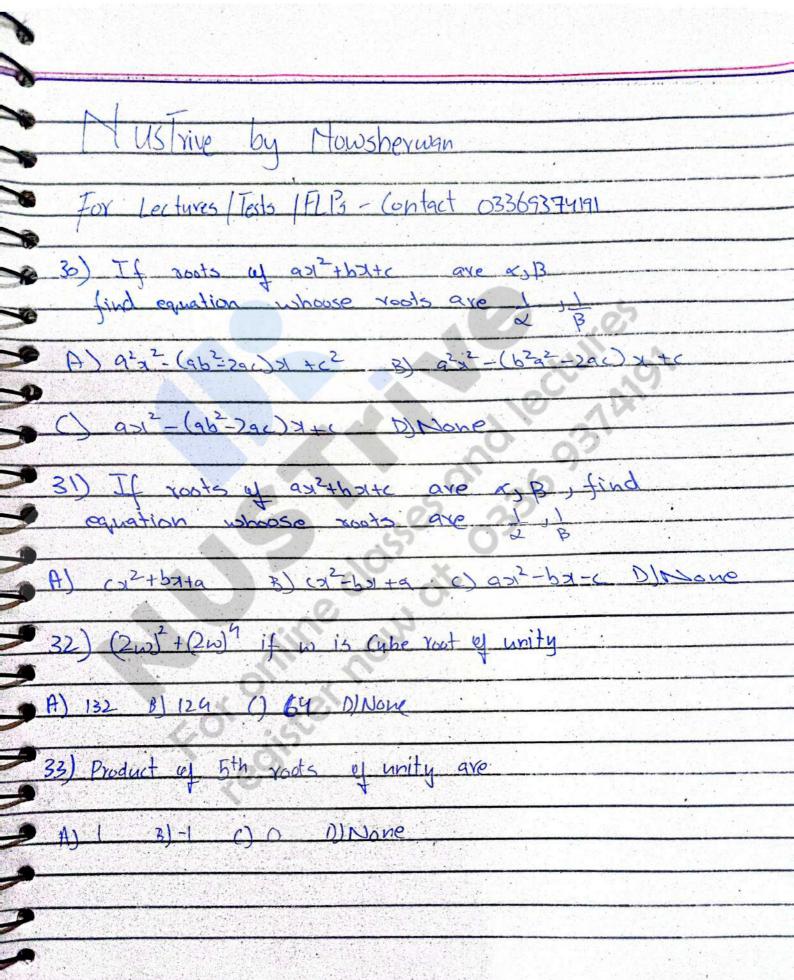
1 US rive by Howsherwan For Lectures Tests FLP3 - Contact 03369374191 11) log 4 + log 33 - log 22 A) 1 B) O O) 2 D) Noug 12) log (log 125) A) 3 B) 1 () 2 D) None 13) 2+log_327 = log 4×+7 A) X=54 B) >1=59 C) X=50 D) Nove 14) log3 = -log3+3+1 9 A) O B) -4 C) Both D) Nove 315) log (log3) = 3 9 A) 3 B) 3 C) 3 DINOUR

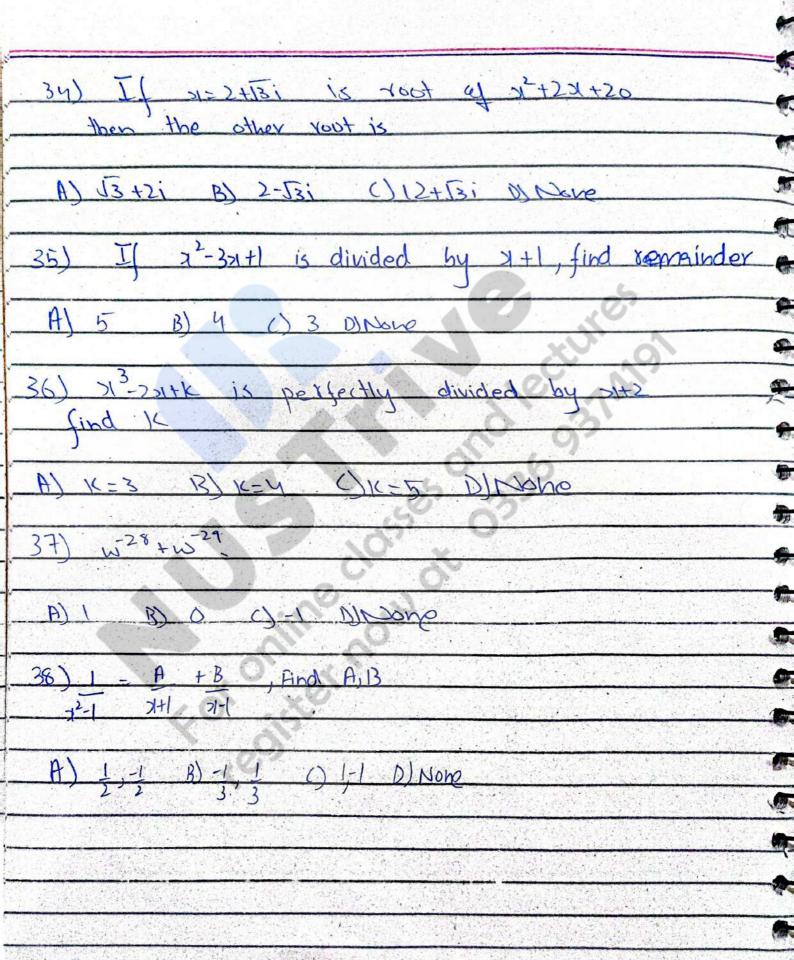




25) If roots of 3x2+(m-1)x+5=0 bas equal roots then m= A) 1 B) 2 C) 4 D) Nove 0=1+K5=K to ctoor (95 A) -1,-1 B) -1 () 1 DINGODE 27) Sum of roots of 3x2+4x+5 A) -4 B15 C) 3 DADONE. 28) Tf x+B=10 and 3x2+Kx1+5=0 A) 30 B)-30 C) 20 D)None 34 25) Find K if roots are additive inverses of one 1 another 4) +1 B) +2 O +3 D) NOW 1

100

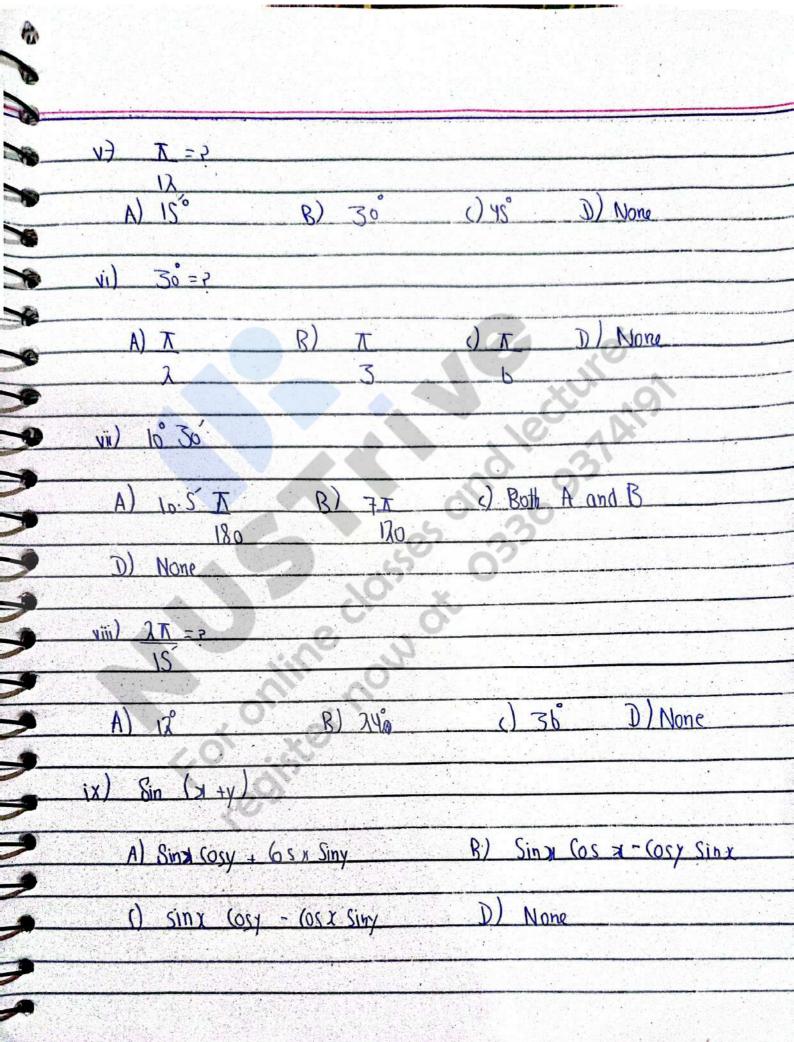




321+2 A 39) A A Find A,B D) None 5,6 B) 2,3 · ()1, 4 40) Sum et 8throots et unity 40) Sum et 8throots et unite

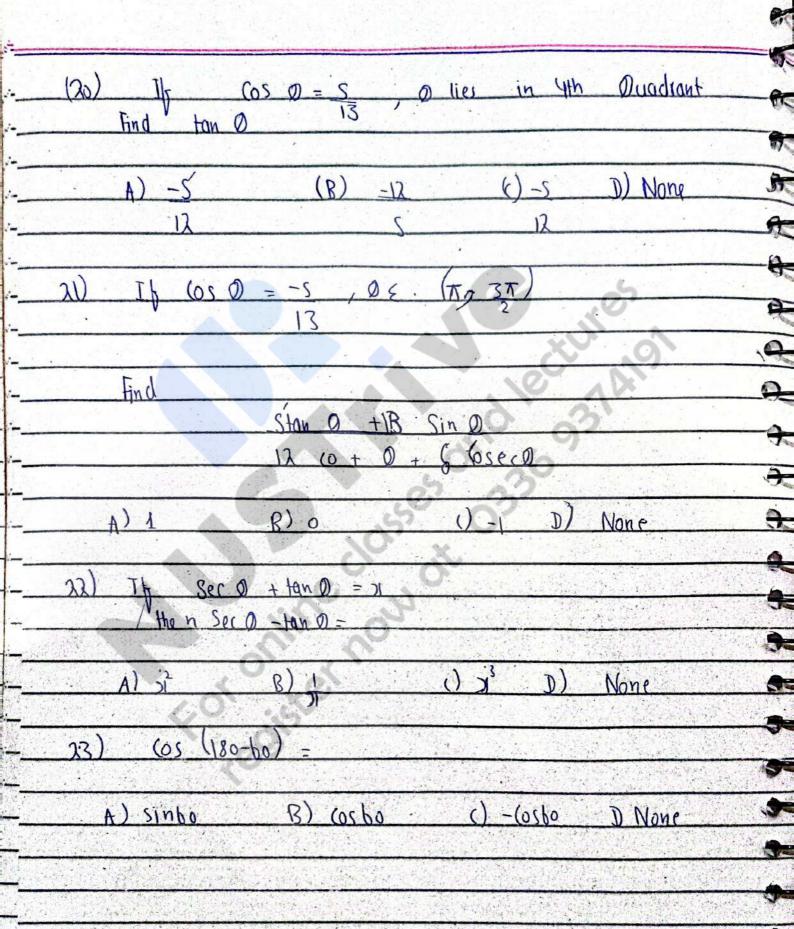
A)-1 B) O C) 1 D) None Blaive by Nowsherwan For Lectures / Tests / FLPs - Contact 033693 74191

	Justrive By Nonistianian	
tov 1	ectures Tests TELPs - contact 0336 9374191	
TRIGTONOMETRY		7,223
		e ralini e de an
(i) 90°=7		
A) 100G1	B) 1008 D) None	
// 10001	13/ 100 (/) 1000	
(ii) An angle m	party do in Centarimal how many degrees	
	consumes 200 in Centasimal how many degrees	
om U ti Ilicu	asures in Bexagesimal system.	
will it mo	B) 30° () 18° D) None	
will it mo	B) 30° C) 18° D) None	
A) 2° (ii) Formular of length	B) 30° () 18° D) None	
ii) Formular of length	B) 30° C) 18° D) None	
A) 2° A) S=1X D) None	B) 30° () 18° D) None the of aic B) (= 40) () (= 40) is radian)	
ii) Formular of length	B) 30° C) 18° D) None	
A) 2° ii) Formular of length A) S=1X D) None	B) 30° () 18° D) None the of aic B) (= 40) () (= 40) is radian)	



10°F2 (A 10°S2 (J	27	B) S7° 20' D) None	
038		D7 140 va	
11) Find	ingle blu h	s band and	min band
at 4:30	plan		.69
A) 30		B) 20°	
C)45°		D) None	
			3
12) Sum of	Internal ang	le of hexagon	<u> </u>
V) 180	8) 3ho°	() 773° D)	None
13) - Each in	ernal angle	of hoptagon	is
A) 13°°	B) 12%	() 128.5°°	DINone
14) (05 (In	7)		
A) 1	B) 0	() 2	D) Non
à			

15) (05 ((2 n+1) T			
A) I	B) -1	<u>) a</u>	D) None
16) Sin (2n T)			
O (A	8) 1	04	D) None
) [7] Sin ((Anti)1)			
A) /	8)0	()-1	D) None
18) Sin (-0) (05 (-0)			
A) - Hn 0	B) ton O	() (0+	O D)None
19) Sin 270 -	S Co S 180	-3 COS Z	70
A) -S	B) Z_	() -h	D) None



M

24) Sin (180-0) (05 (180-0)	HISTorive sherring Tests zyral by powsher as 33693 zyral for (or act
A) Sin O D) Mone	B) (05 0 (U-land)
$25)$ 0 and $n\pi + 0$	are allied angles
A) True B)) False () Depend on Duada
21) 0,180-D att	0 00
A) Allied angles () Supplementary	B) complementary D) None
	9111 Q+ 1
A) complementery () Allied	B) Supplementary
28) (os (21 ty)	
niz-yniz 1(20) (A niz+ yzo) x 20) ().	[제한] [제한] [제한] [제한] [제한] [제한] [제한] [제한]

A) 0	B) 00		D). Nor	<u>V</u>
30) Tan (21-0)				
S. 14:(XX 1 9)				\$
A) tan O	B) -tan (sin O	D) None
31) (05 (51-0)		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	0	
31/ (0) (3)(0)		Mark		
A) sin 0	R) (05D	<u>(c)</u> -	Cos D	D) None
32) Sin 135=				
327 0111 132	1/1/01		11:	
A) Sin 45	R) - (os 4	()	tan 45	D) None
33) Sin (300)				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
A) -13 / O /	R) - 1	() <u>1</u>		D.) None
34) (05 (483)		-		
A) 1	8).+ 1	0 -1		D) Non.

R) X Sinx

De None

(US X

A) 2 sinx (os x

Sin 2 x	
A) tanx	R) 2sin2 (2x) ()-tanx D) None
4x) 1- (05 4x	
A) 2 sin2 x	R) Zsin² (Zx) () sin² (x) D) None
43) 1+(05)x	
A) JSinz X	B) 2(05 x () (05 x D) None
чч) <u>1- το ς λχ</u>	
1+(05)x	
X+0) (A	B) 1 () sin Y D) None
45) Sinx-Siny	
· A) A Sin (X+y)	(61 (x y) B) sin (x+x) sin (x-x
() -2 @s (x+	4) (x (x-y) D) None

46) COS 4X R) cos (2x) - Sin (2x) A) Os x-sin'x () (052 4x - Sin2 (4x) 47) Sin 80 + Sin 20. B) 2 cos 50 sin30 A) 2 Sin So (0530 D) None () -2 sin 30 (05 55 48) (05 x - sin &x O sinax D) None A) land x R) cosax 49) tanax () 2 tanx D) None (B) 2 lanx A) 2 lanx 1-tany 1 + lanz 1+lan2x s'o) - 1+ Sinx R) sin x + cos x D) Non A) sini + losx 1) sin x - cosx

	For Ouesia - conlact 03369374191
51) Sim 3x
	A) 3 sinx - 4 co3 x R) 3 sin x + 4 co3 x C) 3 sin x - 4
(52) (05 3x A) 4(013 x - 3(05x B) 3(05x - 4510) x () 3 3(05x + 4(013x) D) None
	S3) $(\sin 0 + (os 0)^2$ A) 1-(os $\lambda 0$ B) [+sin2x () [+Sinx - D)-4+ sin20
	54) tan (270+0)
	(A) sin (D) (QS (D) (O+0) D) Nong SS) Cos R+ (os 3 R+ cos B) Sin R+ sin R R
	A) sin 3R B) ws B) c) co+3R D) Nono
	Sb) (05 10 + COS 30 + COS 50 Sin 10 + Sin 30 + Sin 50
	A) 1 () [3 D) None

	And the second s	
1 JUStrive	by Nowsher	win
For Ledures	Tests FLPs - Cont	act 03369374191
57) (0590-(0530		
A)-25in6osin3o	B)-2(056051n30	()-2(os90
D)Nono		
58) (05120-(0570		<u>y</u>
A)-25in955in25	B)-> Cos955in2b	
() ->tanl20	D)None	
59) -25in120sin70		
A) (05 190-COS30	B) (05/90-(0550	() Sin 190 - Sin bo
D) None		
20. 기소기에 기급하다면서 그 전기들이 되면 나는데 하나 되었다면서 호스트, '무슨'가지 않게 됐다는데 다른		

60) Jan3x
A) 3tanx-landsı B) 3tanxı-Tandsı () 3tanxı-landsı 1+3tanzı 1-3tanzı
U)None
(1) 5m3: (os87 + (os13 Sin87
A)-(oslo B)-Sinlo () (os90 DINOne
62) (0536(0526 - Sin305in20
A) Sin40 B) Cos40 C) Cos50 D) Nove
63) Sin(180-Q)
A)-Sin(0 B) Cox10 ().Sin(0 D) Nove
64) Cas (180-10)
A) Cosa B)-Cosa () Sino DINOne
$(6\overline{b})$ (os Do
A) 1 B) -1 () 1 D) None

A

Trive by Nowsbernign ectures Tests FLPs - Contact 03369374191 (0575+(0515 Sin75-Sin15 B) J3 DI None 67) (ot(a-B) B) CotB-Cota A) CotxCotBH (of 2B Coff-Cotx Cota Cot B+1 68) (636° B) 55+1 69) 2(05215-1 DINone

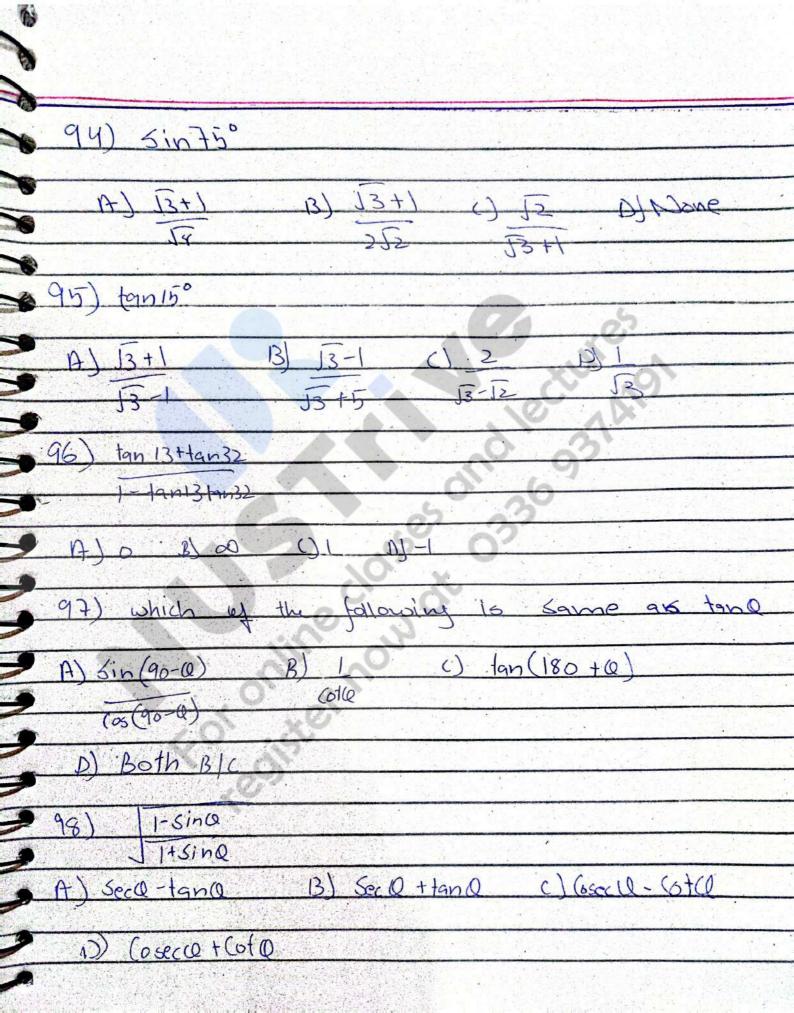
70) Sin36+sin54 MusTrive by Mowsherman	-6
03369374191	
(836 + 60554 03369379191)	97
A) 1 B) 0 C) 2 D)None	0
71\ (05 a-Sinx	
	4
(osx.sinx	9
	-
A) 1+1 B) 1-1 C) 1-Sind Cost DiNone	<u></u>
*Xosecia) Copild	10
	- 0
72) Sinzacosto +coszosinto	•
	().
	N.
A)OBIOINONE	-6.
72\ Si. (NT +10)	-
73) Sin (4x +0)	
A)Cosa R) Sina a) tone of tone	9
74) Sin (450+30)	Adamselia sil
	. •
A)-13 B)-1 O1 D)None	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	And in concession in concessio

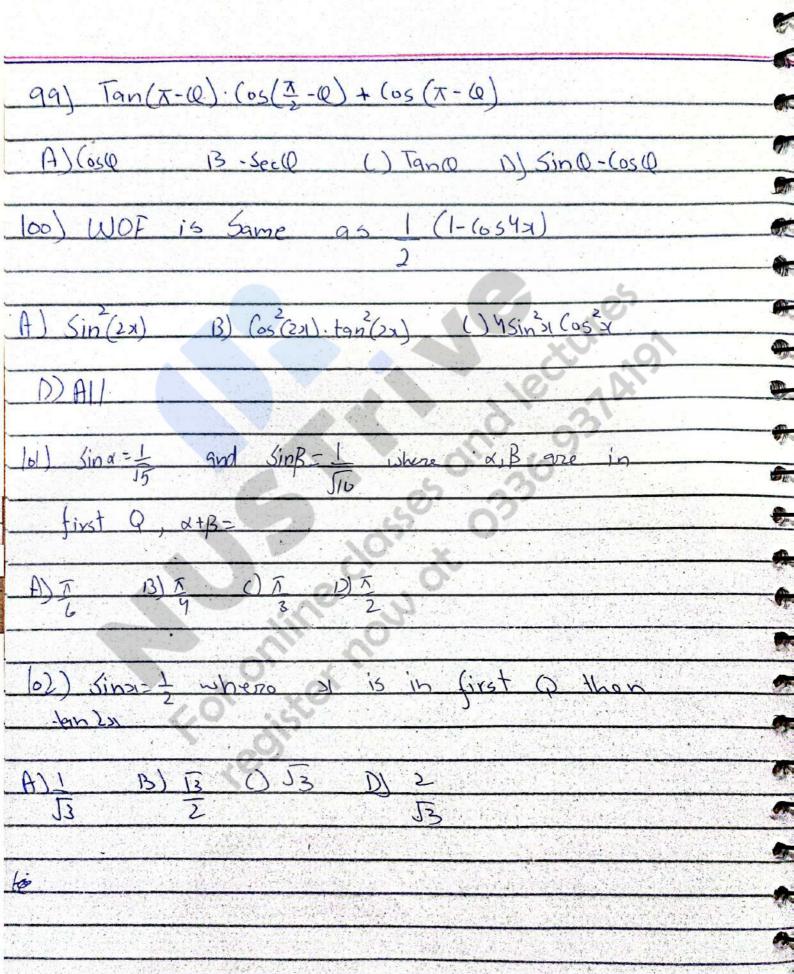
Sin (31) + (05 (31) 1 03 01None Sin 17 > 76) tan 35 A)1 0 ()2 DI None 1-Sinx A) Sinz +(0521 B) Sin 7 - (0521 C) 78) Sin3 + co3 1 = 1 for nature of A) Trafinite B) Two (Two Conditionally Dissource 79) Sin 7 - for HOLA 2300 1-(0571 C) D) No

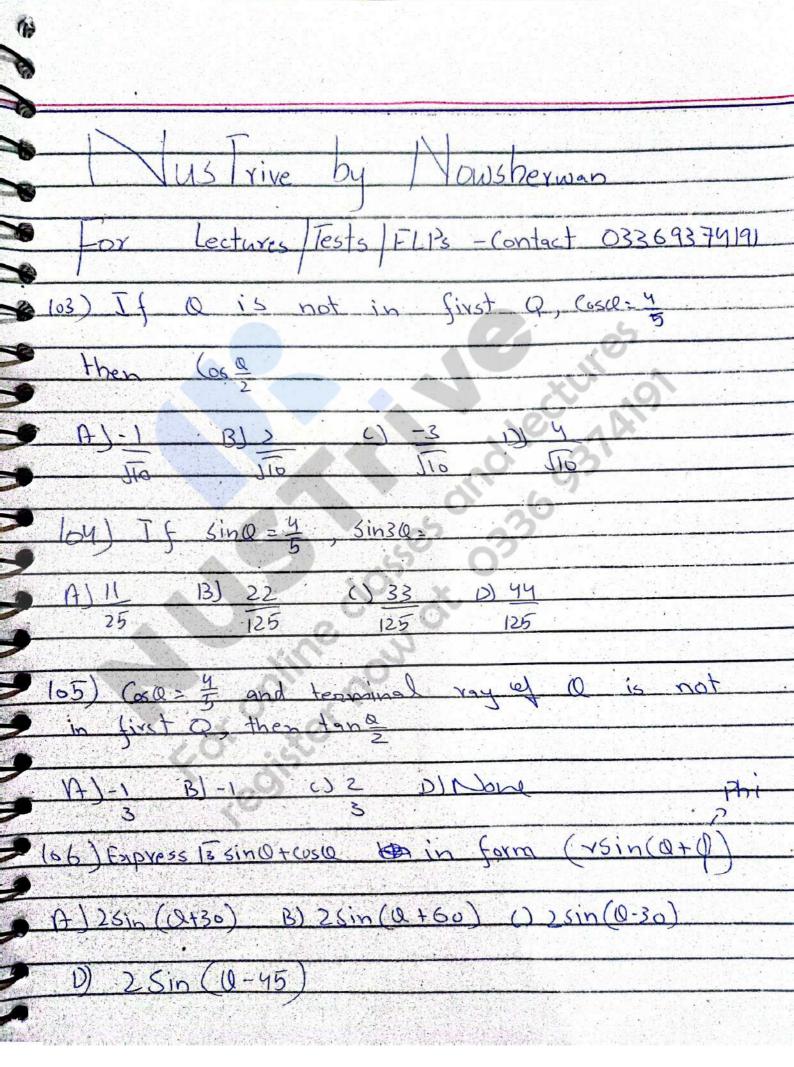
80) Sin@=1, ton@=-1 then@
A) T B) A C) T D) DA
81) (8× - COSX
Knist Knist L
A) 27anx B) 2Cosx () 2 Secx D) 2Cotx
92) Sin (90-21) (OSEC (90-21)
12) gn (90-31)
(06(90+>1) Sec (90+>1)
-> -(ot>1-Sinx B) -Sinx +Cosx Osinx DINone
43) How many degree are there in one radian
A) 500 57°17'45" B) (180) () 45°57'45" D) A/C Both
84) 36·39°
14)35°24'23" B) 35°23'24" () 35°35'35"
D\ 39° 33'19"

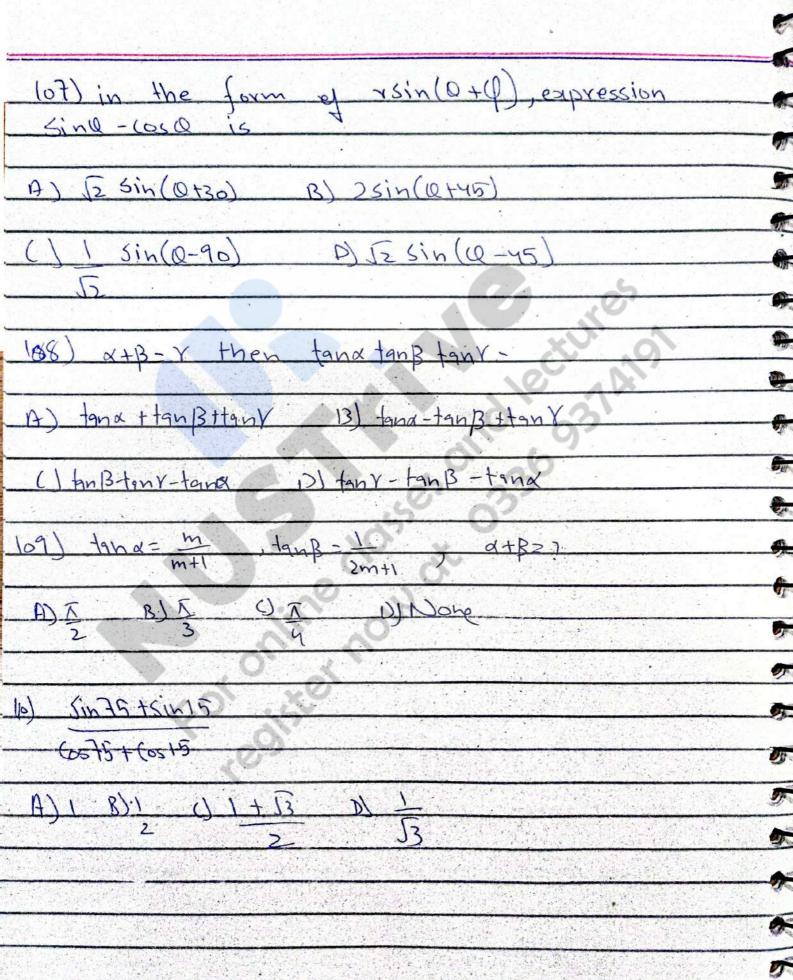
85) Through how many vadious does the single hand of a dock turn in 35 min 86) How many bones are there in 1350 rotation of bones hald (A) 3 phr B) 4 2 hr c) 5 hr D) 7 3 hr 87) The terminal side of 0:8:329 lies in A) 1st Q B) and Q C) 3rd Q D) 4th Q 88) Trigonometric ratios et 123 = is same as A) 2/2 B) 3/7 C) 15/2 D) None 89) If torminal. Side of Q lies in 4th Quadrant then terminal side of Q lies in A) 1st Q B) 2nd Q O3rd Q 40) 4th Q

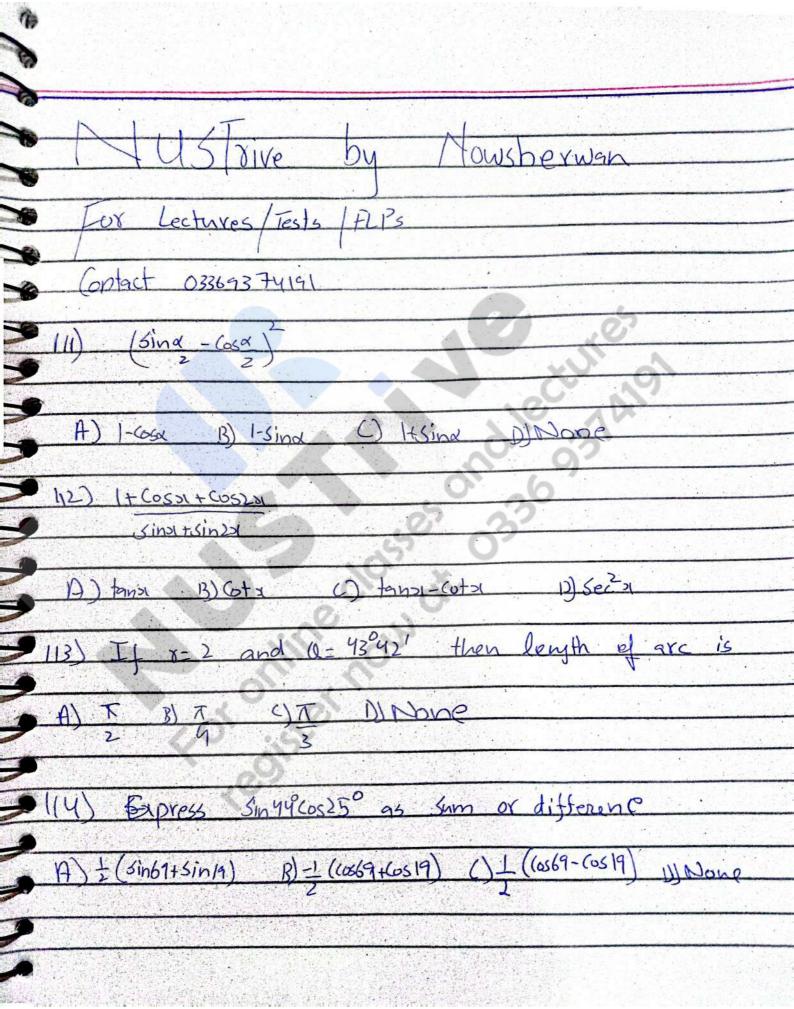
JUSTrive by Nowsbernen For lectures Tests | FLPs - contact W.F. 90) If a lies in 3rd Q, then 20 lies in A) First Q 13) Grand Q () third Q DNove 91) If D < QCI then which of the following angle lies in 3rd Q A) 37-10 B) 7+10 C) Q-7 DJAII 92) If a is in 4th a, then reference guyle 9 A) 2×40 B) 2×-0 C) 37+0 D) 7-0 93) If Cosaco and Coseca 20 then terminal side of a lies in 4 A) 1st Q B) 2nd Q O) 3rd Q D) None









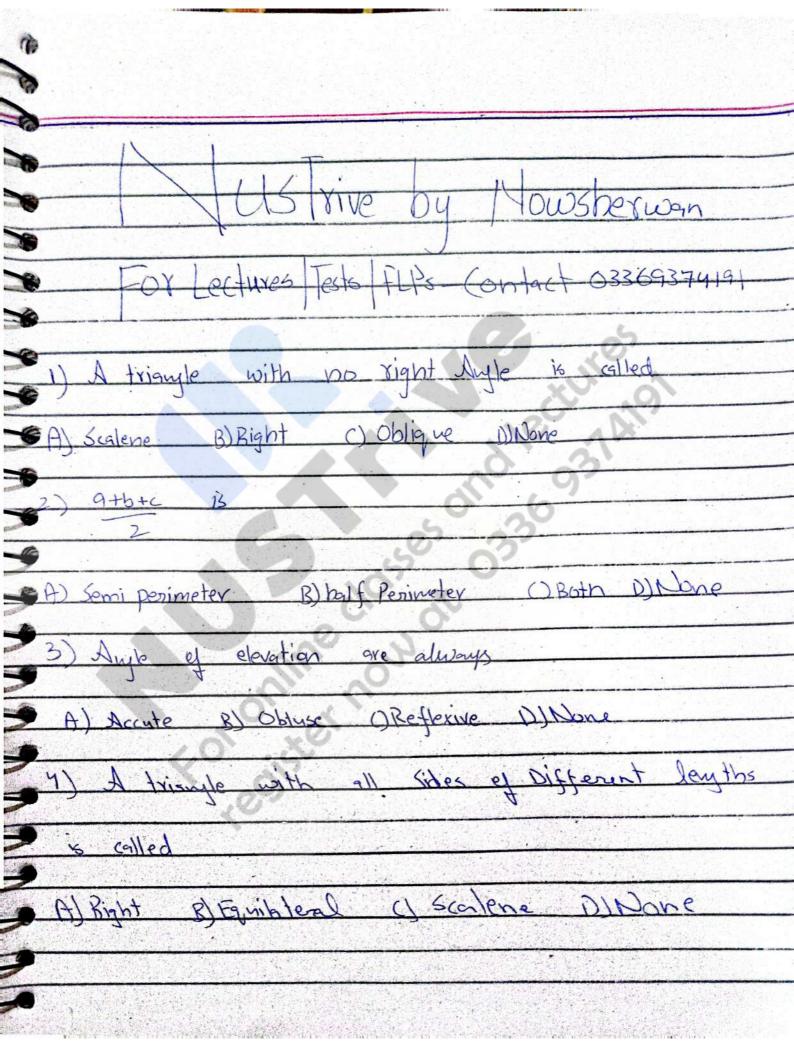


115) Sinatasinsatsinsa
A) 25ino1(00321 B) 5in37-(06221 () 4514321 (05231
D) 51 n 3x (65)1
116) (osQ-cos3Q
sinQtsin3Q
A) Ignza 13) SpcQ C) Cot(0 D) IgnQ
117) (OS (X+B)+ (OS (X-B)
sin(x+13) +sin(x-13)
A) Sin2 - Cos3 B) GtB O(6+x D) far(x+13)
118) A Pole of lom high costs a shadow of 1013m
Find aigle of inclination
A) J B J U1 DINOLE.

Tu-

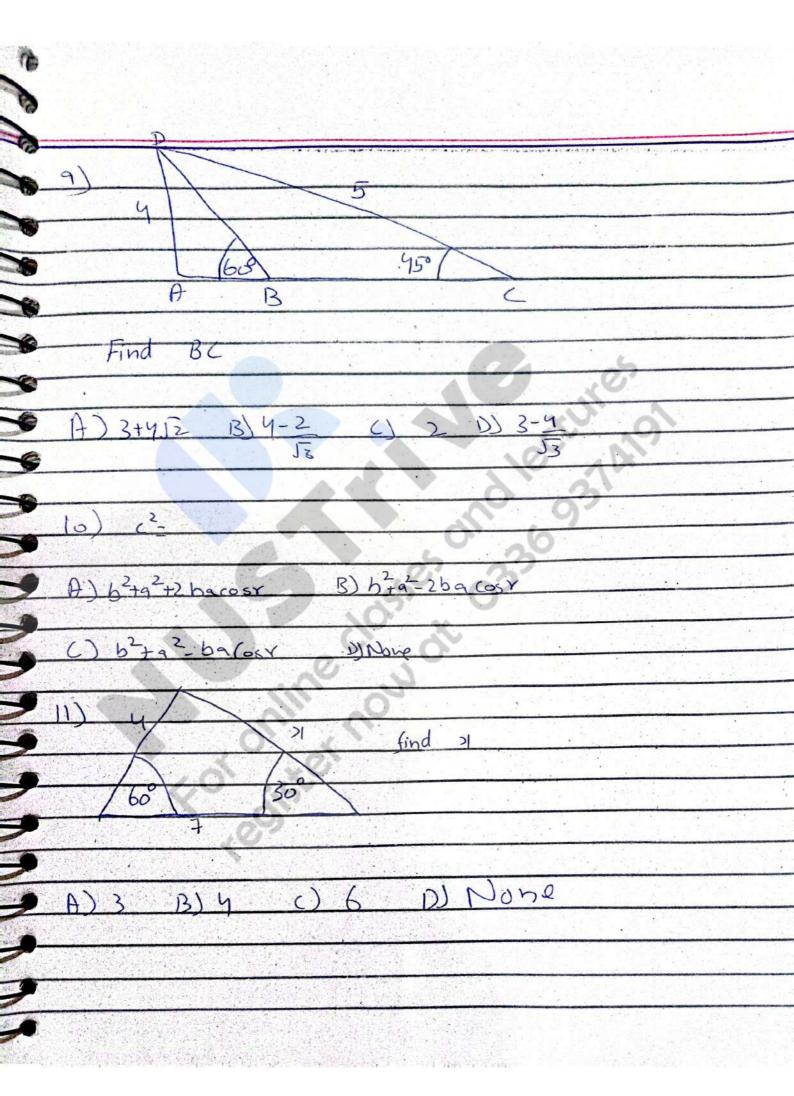
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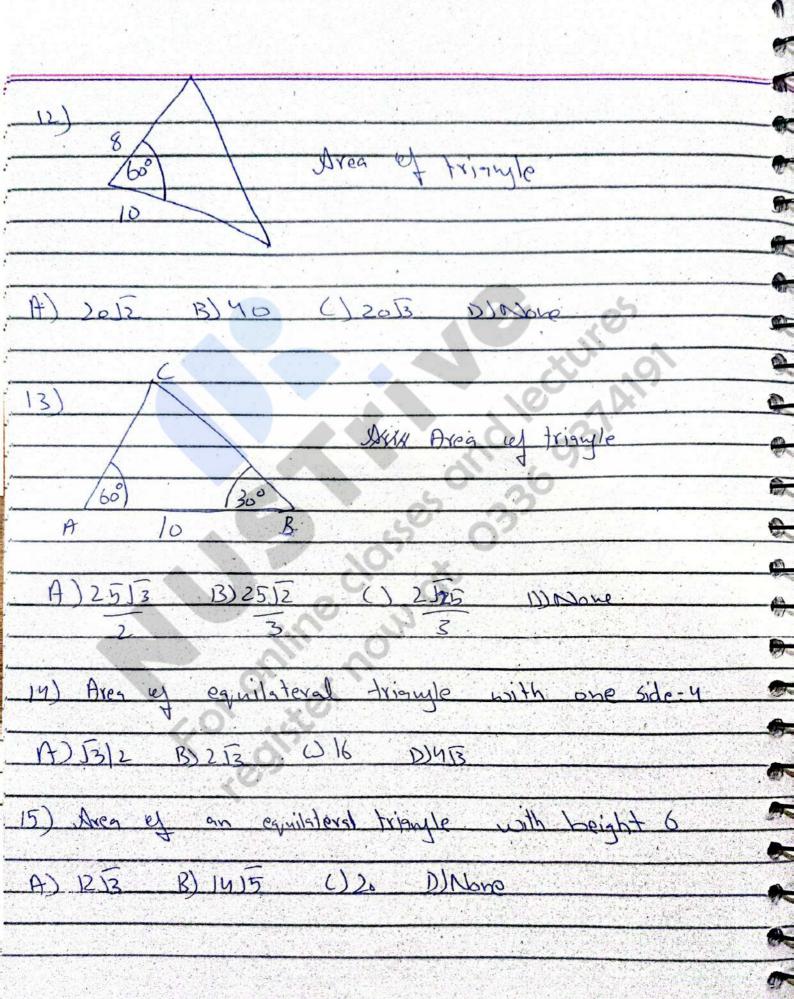
119) Angle of depression is 30°, beight of Perpendicular is 1053, find base () ym DINone 1-C058Q 25/190 (1+(052x1) B) (0521 FLPs-Contact 03369374191



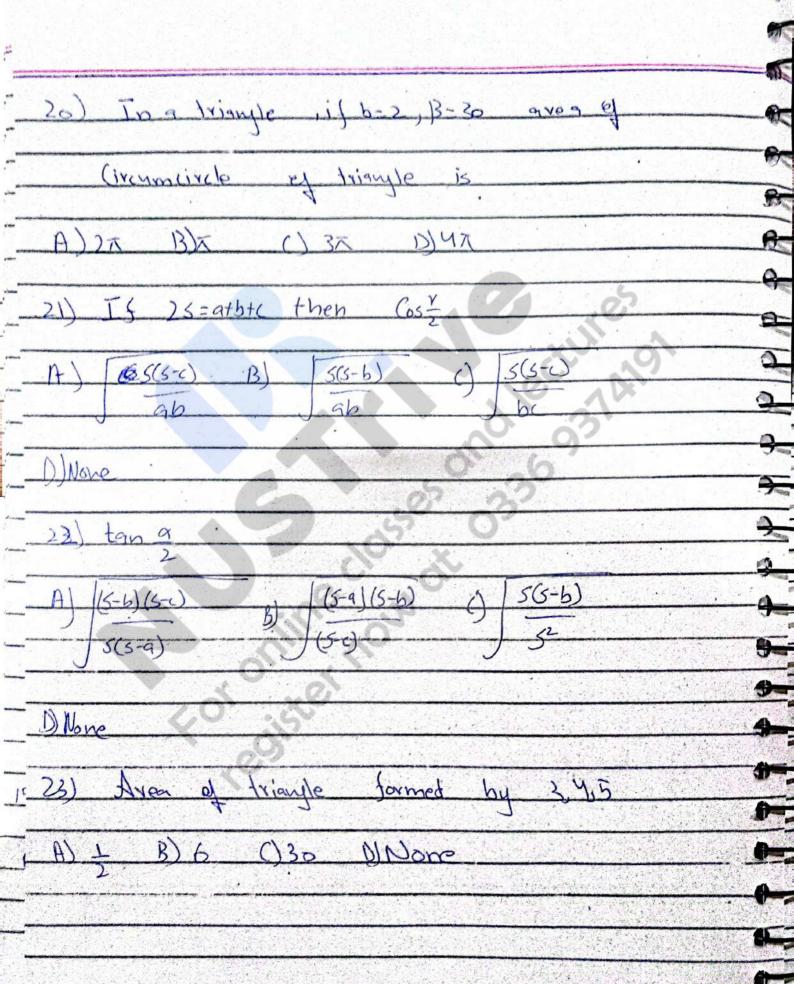
	1
	97
5) (0,0), (3,0) and (3,4) Forms	
A) Familateral B) Equilateral () Scalene	•
	9
DINone	
6) Projection Laws are	
14) 9= 60058 + CCOSB B) b= CCOSX + 9 COSY	0
11) 12 COS (TCCOS)	0
() (-a(osp+bcos x D)A11	- 9
7) A triangle beis parameters	0,
	<u> </u>
B) 3 B) 6 () a DIVORG	- 6
6) x	-
-6-)(8)	Ð,
Sin/-	£
β	•
A	
A) AB B) BC () AC D) Nove	~
AC AC BC	•
	<u>.</u>
요요 맛이 그렇게 보니는 이번에 가게 되었다. 그런데 하는 것들은 것들이 가는 그래에서 전혀서 만든데 가득하는데 가득하는데 가득하는데 하는데 나를 하는데 하는데 가득하는데 되었다. 그렇게 되었다.	APPENDING THE PROPERTY OF THE PARTY OF THE P

4.7.7.7





rive by ectuves Tests FLPs - Contact 03369374191 17 Perimeter of triangle D) None 5(5-9) (5-6) (5-6) B) 12 C) 13 D) None In equilatrique, Y: R: YI A) 1:3:1 B) 1:2:1 () 1:3:2 D) 1:2:3



24) A driew sprint tdeir e T of 20m civole civony civoling it S A 110 20m Blom (25) B= A) 9 ZSINY 25inx 25inB An incircle is present in a then 9re 3,45 sids whose B) 1- 9+b-c Y= atbtc. D) Both B/C) Y= 5-c 27) a-6+0= 17) 5+6 13) 2(5-6) ())5-6 () 5-6

: 28) WOF (ant be measures et sides . A) 7,9,13 B) 6,8,15 () 5,6,9 DI Nove 29) If two side of a tringle are 2xtle and 3xty where 2120, which of the following (ould be its third side (A) 7+2 B) 67+6 ()4x+5 D) None :30) If 10,12 and 21 are sides of a triangle then how many integer values of x are they B) 7 B) 9 C) 11 D) 19 31) Myles of a triangle are in vatio 1:3:5 Atual angles of triangle A 30,60,90 B) 20,60,100 C) 10,30,140 D)10,80,70 -32) Angle in equilateral triangle are in valio A)1:1:1 B) 2:6:9 C) 1:2:3 D) 1:8:9

e triangle with usual labelling A) m < x < 90 B) m Lx < 900 ()m<2 = 90° A) Nome 34) In a triguel with usual Labelling if m< x=35° A) Scalence B) Right () Transcelles DINOne 25) If side length of square is grand that
of Family length tringle is also on then valio of
their Avers is A) 1:1 BI Y:13 () 13:4 DI 2:3 anyle of triangle are in A.P. if largest anyle is twice that of smallest then the A)40,60,80 B) 30,60,90 U 45,60,75 D'ALL

MSTriveby Nowsberman
Fox Lectures Tests FLPS-Constact 03369374191
-46) Formulax for Area of triagle
(A) Labsiny B) a2sinBsiny () (5-a)(5-b)(5-c)
- O) A II
- 47) In a toingle with usual labelling, & Y=
- A) A B) 5 () 5R D) abc
3 1
- 48) Let ABC be a taingle, Sinx-
- 10) (el #160 18 9 181418; SNX-
- A) 21 B) 9 (1) 9 sinB D) All
- b 2R b
49) In a triagle Cot = + Cot = + Cot x
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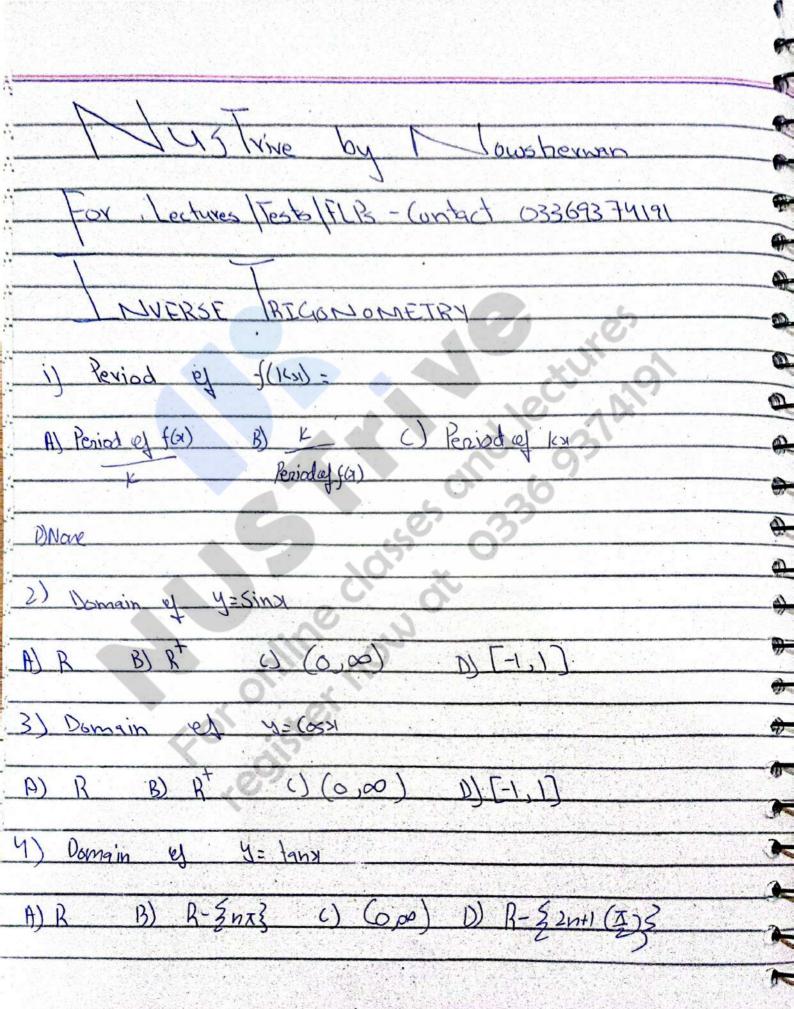
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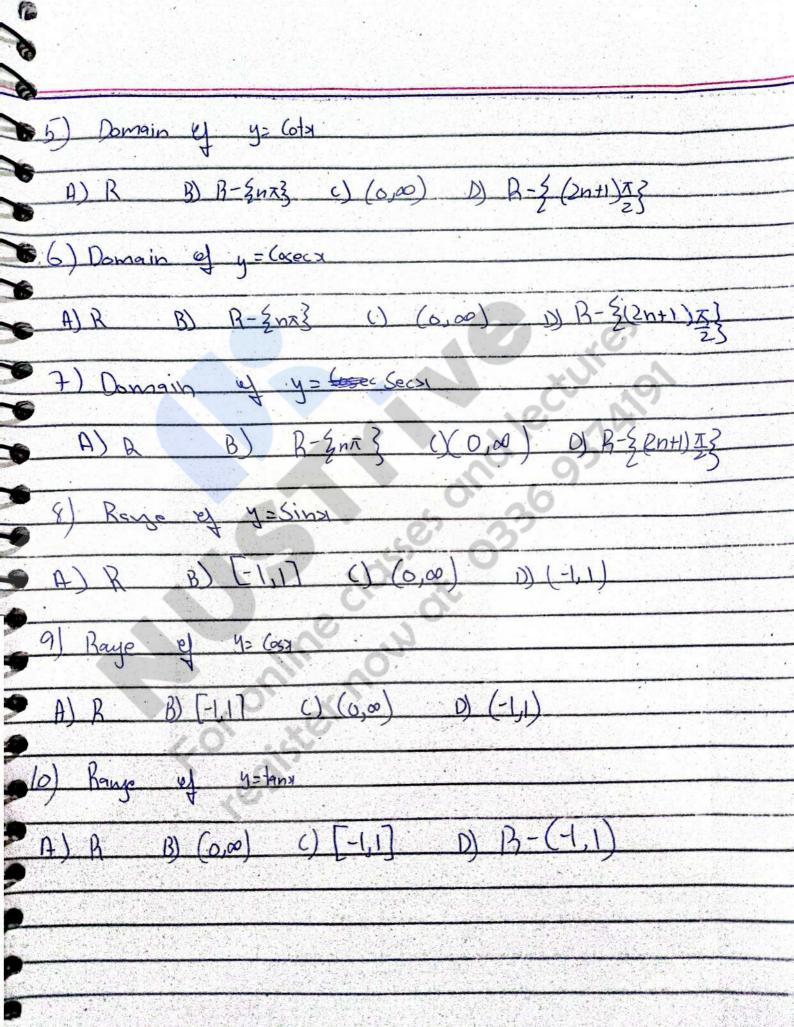
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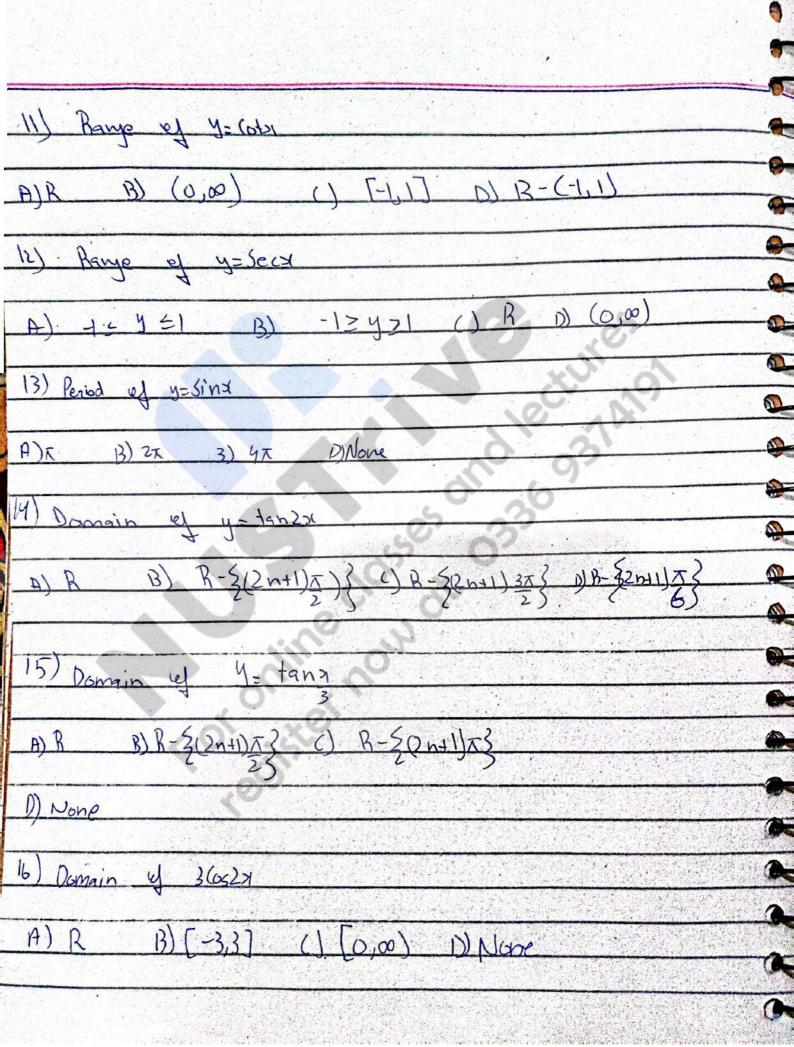
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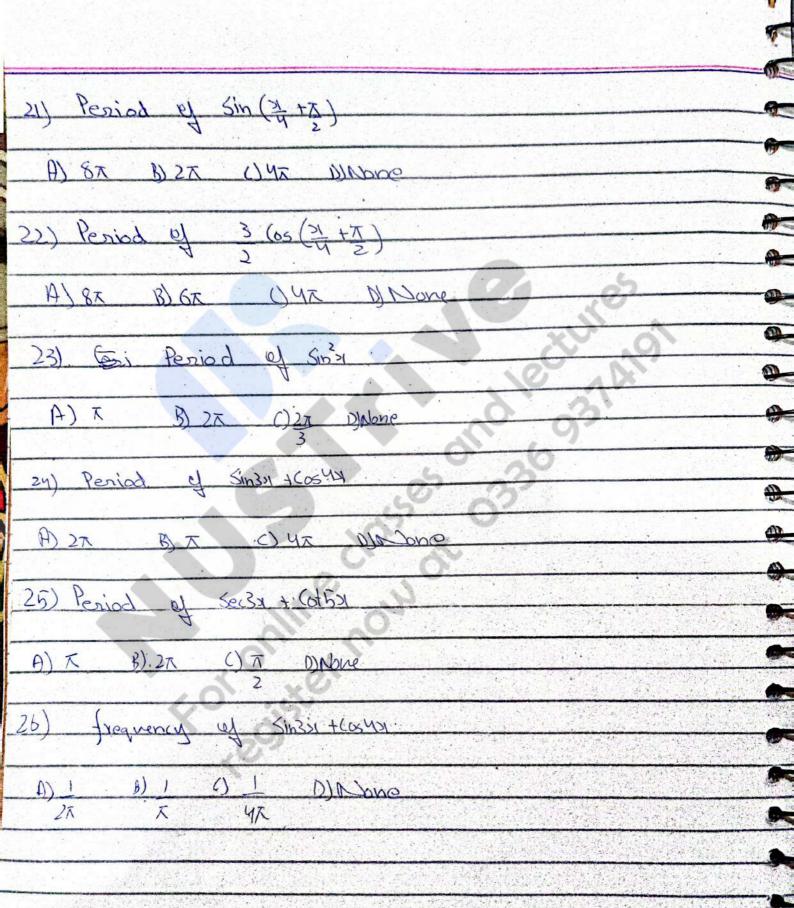
triangle then another circle is circumscribed around the triangle, the ratio of radii of the inscribed and circumstibed circles is A) 1:3 B) 2:1 c) 1:2 0) 2:3 50) Badius of Circle inscribed a right angled triagle whoose sides are 3,4,5 A) Im B) 0.5m () 2m D) 2.5m (orm H.P then sides on bic form A)AP B)GP OHP DINONE



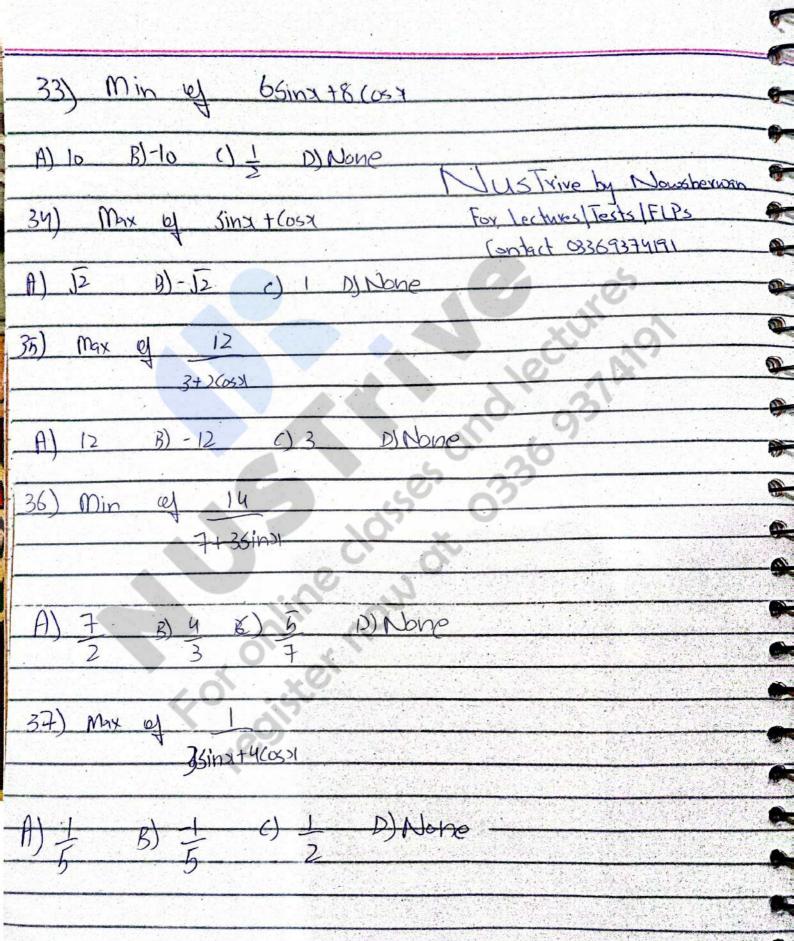




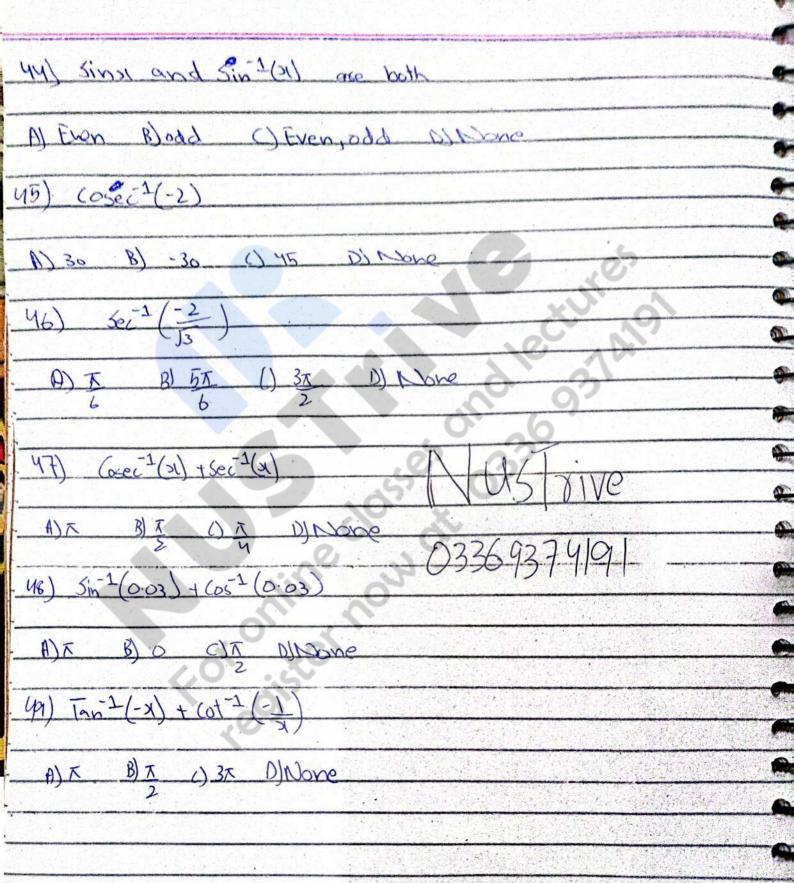
- Contact 08369374191 or Lectures / Tests / FLRS 17) Domain cet y= (oxer)x (A) R B) R- 3/123 C) R- 2(2n+1) I } D R- 3/123 18) Range of 4= 25ec/31 ()-1-471 D-42424 19) Period of 30ser(\$x) A) 2x B) 6x () 4x DINone 20) Period of -3 (KB) A) 5/7 B) 2/7 C) 2/7 D) Nove

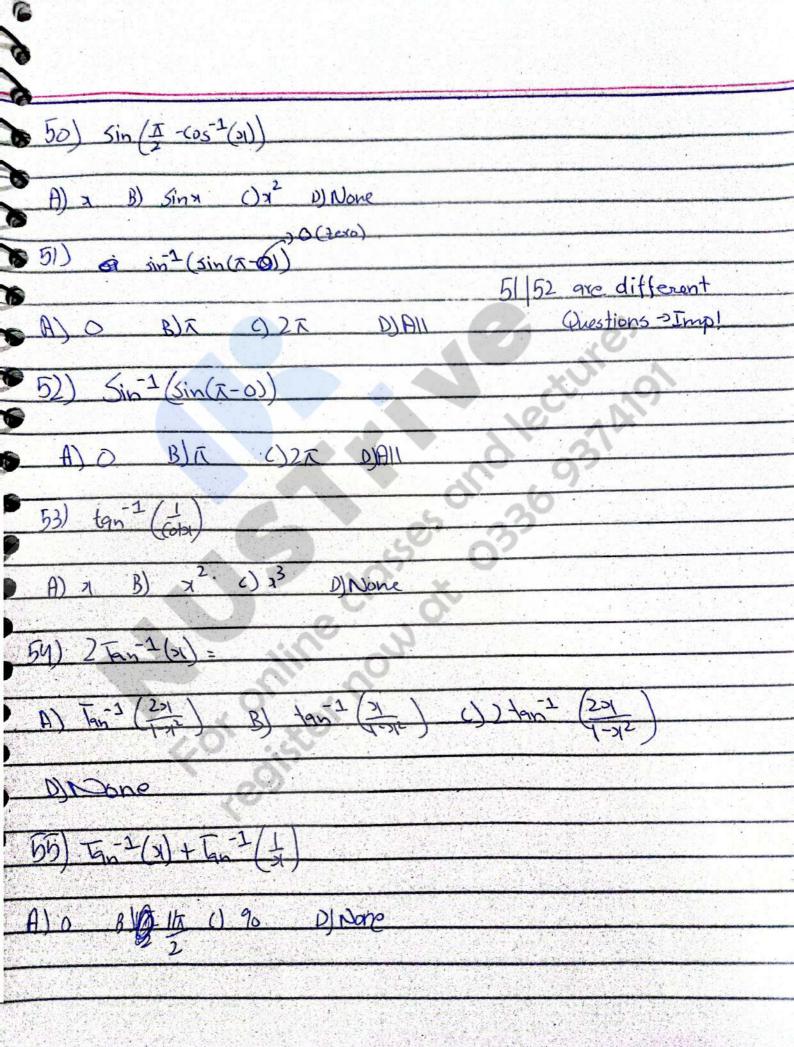


A) 3 B) 2 C) I DIN conce 8 281 min of 1-25ing 02 DINORO 29) Max by 5+ 3 (05 (3x-57) A) 13 B) -5 () 4 D) Abre 30) Amplitude of 30044 3 DNone 31) Amplitude & 35ins1 +4 Cos>1 A) 0 B) 5 04 DNone 321 Max of 1+25in7 Divone



38) (05 1 (5) A) 30 B) 60° C) 45° DINJane 391 Sin 2 (1) + (05 2 (19) -A) 30° B) 45° 060° D) None (os⁻¹(x) is A) then Itn B) odd In ONeither DINone 41) (os-1 (-1) A) 120 B) 60 C) 150 D) None 42) Sin-1(-x) = -Sin-1(x) for x= A) Infinite values B) [7,1] ()[1,-3] D)(-7,7) 43) Sin-1(-15) A) 90 B)-45 ()-60 D)None





:
56) what is Cosine of (051 (0.5)
30) What is cosine of (63 (53)
AL BLI OI NI
A) 1 B) 1 O) 1 D) 1
57) Sin-1(-1)
9:1) Sh (1)
N 6 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1
A)-90 B) 270 () A/B D) None
58) Arc (05(1)
3 22
A) 0 B) 90 () 270 D) None
$69) (65^{2}(-\frac{1}{2})$
A)120 B)180 C)90 D)-45
60) Arc Sect-12)
N 11.5
A) 145 B)-45 () 135 D) 150
6)) $\sin^{-1}(\sin 3\cos)$
A) 45 B)-60 ()30 D) None

perith on internal 62) The 4- sint has D) Hone A) one B) half OTwo 63) 4= (033) has length 27 Amplitude ey y=1+4(05(3) A)1 B) 4 65) Saution of Cost=-13 12) 5/ + 2nx3 U 5 7/ +2nx3 D) None

(6) In ((05-1(-1))

9) B BLB O+13 D

67) Williams y tano = 13

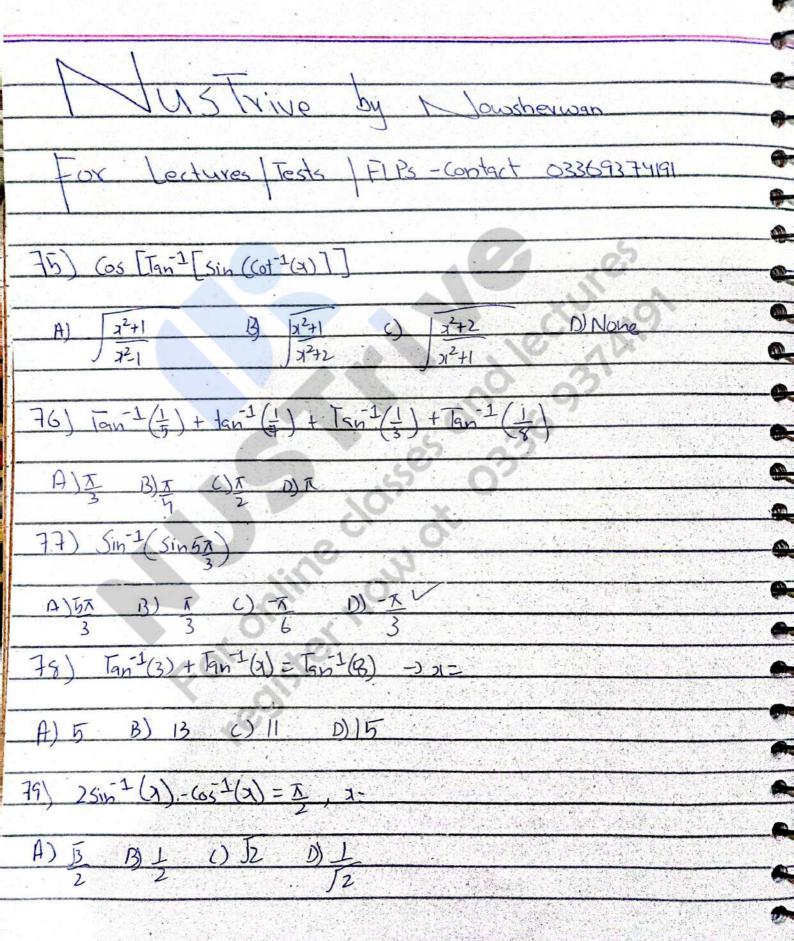
1) ST + 10 TS B) 52 T + 12 12 C) ST + 10 TS D) ST + 10 TS

68) Equation XSINX=2X is true for X=

D) X B) 3A () X D) O

69) All values ref arccos(===)

70). Cas(515-2(01) () + J1-32 B) -11-x2 71) Sin-1 (051(N) DINone A) 7 B) 11-7 72) $\sin^{-1}(x) = \pi$ then $(\cos^{-1}(x))$ A) 27 B) 37 () I D) None 73) $(65^{-1}\overline{)3} + 35in^{-1}(\frac{1}{2})$ D)31 - A) 27 B) 7 C) 47 74) Fn-2 (2) -Tan-1 (21-4) A) T B) T C) T D) T



90) Jan- (x) + Jan- (t) B) 60 C) 90 D) None A) 45 Trive Lectures Tests | FLPs - Contact 03369374191