The same of the sa	Name: M. I. I. ALLENY
Name of the Park o	Name: Muhammad lavaib akhtur
	Class: 8cs-28
Proposition of the Park of the	Roll no : 211-5294
The second secon	Course: DLD
and the second s	Assignment 1
	the state of the s
	Question 1
Troposisco.	a) 128 K bits
NAME OF THE PARTY	
Profiles	28 x210 = 131072 bits.
Contract Con	b) 32Mbits
	32 x 2 ²⁰ = 33554432 bits
	c) 8 Gibits
and an investment of the second of the secon	
Committee of the Commit	8 x230 = 85 899 34592 bits.
	Question 2
	a) 64Kbits = oc Mbits.
	$x = \frac{6ux2^{10}}{2^{20}}$
Control of the Contro	
	X = 0.0625
	b) 9Gbib = x Mbib.
	$x = \frac{9x2^{30}}{2^{30}}$
	2
	x = 9216
when the second section with the second section with the second section second section	

Gaa) Question 3
(a) (369.3125).a
Binary
2 369 1 2 184 0 0.3125 x2 5.625
$\frac{2184}{246} 0 \qquad 0.3125 \times 2 \qquad 0.625 \times 2 \qquad = 1.25$ $\frac{2184}{2223} 2 \qquad 0.625 \times 2 \qquad = 1.25$
$\frac{2}{2} \frac{1}{23} \frac{1}{1} = 0.25 \times 2 = 0.5$
$\frac{1}{2} = \frac{1}{5} = \frac{1}{2} = \frac{1}$
(01011100013.0101)2
Octal.
$ \begin{array}{ccccccccccccccccccccccccccccccccccc$
8 46 6 0.5 x 8 = 4.0 8 5 5
(561.24)8
Hexadecimal
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
16 23
(171.5)16
b) (10111101·101) ₂
odal
010 111 101 101
(27 5.5) _s Scanned with CamScan

Scanned with CamScanner

Decimal.
10111101.101
(4-432) 4 (9426 -
(1 x2") + (1x2") + (1x2") + (1x2") + (1x2") + (1x2")
+ C 1x2")+ C 1x2"3)
= 128+32+16+8+4+1+1+1+1+1
= (189.625)16
Hexadecimal
1011 1101. 1010
B D A
(BD.A) ₁₆
(c) (326.5) ₈
Binary 3 2 6 . 5
011 010 110 101
(011010110-101)2
Decimal
162-326.5
(3×8')+(2×8')+(6×8°)+(5×8")
= 192 + 16 + 6 + 5
*

Question 4
a) 7562.45 to octal
$87562 2 0.45 \times 8 = 36$
8 945 1 06 x8 = 418
8 118 6 8 14 6 0.8 x8 = 6.4
8 1 1 0.48 = 3/2
0
(16612.3463)
b) 1938.257
16 1938 2 0.257 x16 = 9112
$\frac{16}{16} \frac{121}{7} \frac{9}{7} 0.112 \times 16 = 1.792$
0.792 × 16 = 12.672
(792. 41C.) ₁₄
c) 175.175° to binary
2 175 0.175 y 2 = 6.35
$\frac{2}{2} \frac{87}{43} = 0.7$
$\frac{2}{2} \frac{1}{10} \frac{1}{0} = 0.7 \times 2 = 1.4$
$\frac{2}{2} \frac{5}{2} \frac{1}{6} 0.4 $
2 0
(10101111.0010)
d) 25,305 to base 8
8 25 1 0.305 X8 = 2.44
8 3 3 6.44 V8 = 3.52
(31.255) 8 = 4)60

Da	Virginia de la companya de la compan
	Question 7
1	inal Number: B
	a) Dectro 7-bit binary: 0000110
	7-6it binary 10000110
	8-bit binary withparity bit: 10000110
	8-bit binary wirmfurng (86)4 Hexadecimal: (86)4
	Hexadecima
	b) Decimal number: 15
	b) team : 0001111
	7-6it bina 7
	8-5it binary withparity: 10001111
	Hexadelinal: (8F)16
	Hexadean
	2/1
	c) Decimal Number: 24
	7-bit binary : 0011000
	A
	8 hit bingy with part.
	Hexadelinal: (98)16
	Нежишини
	Question 8
	255 > Rinary
	$(211111111)_2$
	(2111+11-12
The second secon	b) BCD
	0010 0101 0101
and the second s	e) AscII
	0011000 00110101 00110101

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	d) ASCII with odd parity
	10110-10
	10110010 10110101 10110101
	00
	29 ar Question 9
	a) 56 + 227
	56: 111000
-	226: 11100011
-	77000 1 7
	+ 11 1000t
	$(100011011)_{2} = 282$
D-	b) 246 + 25
D-	2461 2:
	296: 11/10110
	- 11110110
	25:+ 11001
	c) 2110 + 284
	2110: 100000 111110
	284: +0001000111100
	284: + 6001000 11100
	2394 10010101101 0
	Question 10
	a) 011100000 (A)
	b) (1000 1 1 1 1)
	11011001
	(\$1000000)
8 "	d

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	9 01100101 - 11101000
	A= 11101000
	A'=00011000
	01100101
	400011000
	Question 11
	\overline{A} $(A+B) + (B+A.A)(A+\overline{B}) = (A+B)$
	$= \frac{A(A+B) + (B+A+B)(A+A=A)}{A(A+A+A)}$
	$= \overline{A(A+B)} + (A+B)(A+\overline{B}) :: (A.A = A)$ $= \overline{A(A+B)} + (A+B)(A+\overline{B}) :: (A.A = A)$ $= \overline{A(A+B)} + (A+B)(A+\overline{B}) :: (A.A = A)$
	$= \overline{A(A+B)} + \overline{(A+B)(A+B)}$ $= \overline{A(A+B)} + \overline{(A+B-B)} :: Coistributive (aw)$ $= \overline{A(A+B)} + \overline{(A+B-B)} :: Coistributive (aw)$
	$=$ $(3,0)$ $(4,10)$ \vdots $(5,5)$
	$= A + AB + A$ $= A + \overline{A}B + O$ $\therefore (Distributive (aw. A + A = 1))$ $\therefore (A + \overline{A} = 1)$
	$= (A + \overline{A})(A + B) \qquad \therefore (A + A = 1)$
	= (1)(A+B)
	=(A+B)
	Hence proven.
and the second s	