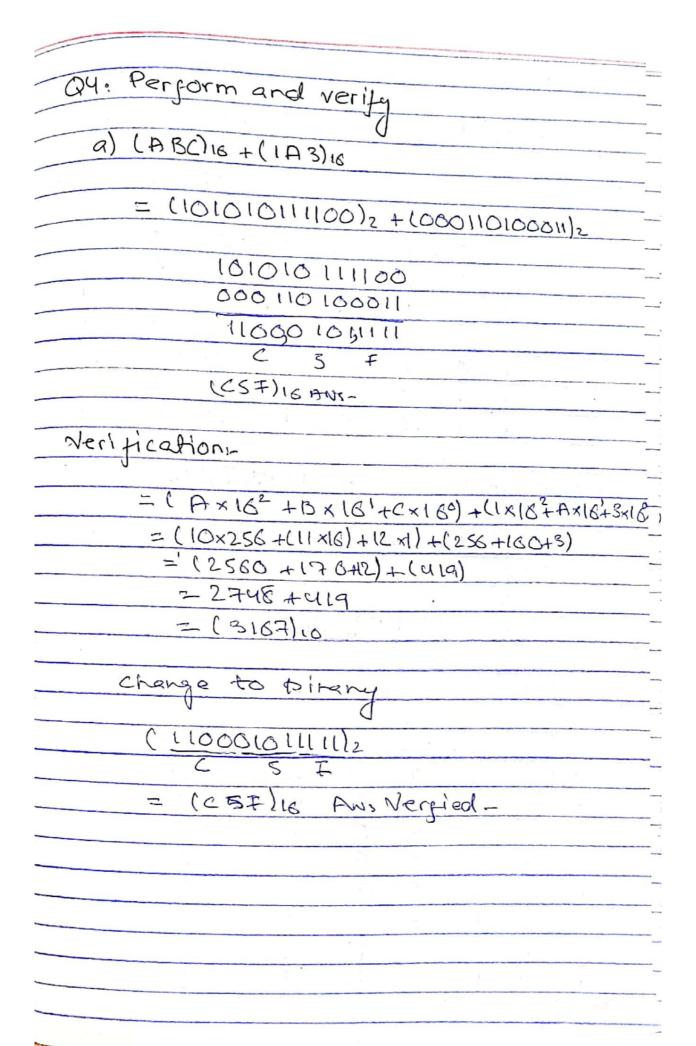
27			,		
NAME: Hassa	NAME: Hassan Ali				
ROLL NO: 20	ROLL NO: 20 P-0149				
section:	D 1				
Assignment No: 2					
Q1 complete the table					
1					
Decimal		ex a Decimal	Octal		
		-62716	(230)8		
		162/16	(230)8		
	- 11	(SBB)10	2673		
43981 0100	100000000000000000000000000000000000000	ABC.D	(125715)		
				-1	
				1	
Q2 Multip	ly				
	9				
1) 0110101	i) 01101010 by 11110001				
	U .				
soli Tak	soli Taking 25 compliment = 0000 1111				
Ų '					
11110001200001111					
5					
. 106					
XIS					
1590 DW3					
soli 0110 1010					
	011010				
	01 10 1 010%				
	010011110				
10 1110 0110					
01	1001				
	00011		DANK	Action 1997	

Check:-	
1024 +512+0+0+32+16+0+4+2+0	_
210+0+32+16+0+4+210	
590-BWS-	
947	_
11) 219 by 15	_
219=(11011011)2	-
15 = 100000	
15 2 (00001111)2	
219	
X 15	
3285	
11011011	
00001111	
11011011	8
110110118	_
1010010001	_
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
10 111111101	_
11011011778	_
110011010101 ANS-	_
TO THOROTOL HWS -	
Check	
2048 +1024 +0 +0 +128 +64+0+16+0	_
3285 ANS	
	_
	-

Q3 Divide	
4010001	0)
i) 1000 1000 by 00100011	
This a 25 condinant	
Taking 2° compliment = (11011110)2	T
= ((40/1110)2	
10001000 Q:	00000000
110 11110	41
2)01100110	00000001
110 11110	4)
1)01000100	00000000
01111011	+1
1)00100010	00000011
110 11110	+1
1)00000000	00000100
	AW
ii) -145 tog 5	
-145 = 10010001	
5'= 11111011 after 2	compainent
10010001 Q:-	00000000
11011111	+1
1) 10001100	0000001
1/11/01/	41
1) 10000 111	0000000
1) 100000	+1
1) 1000000	00000011
(1111011	41
	00100000
	00000101
S	canned with CamScanne



b) (F1)16-(A6)16 (F1)16=(11110001)2 soli (A6) 18=(10100110)2 25 compliment (A6)16 = 10101101012 11110001 01011010 01001001 ANS = (01001011)z= 75 ANS (4 B) 6 Verification: (F1)16= 241 (AB) 6=166 75 ANG = (4B)1x (110)10-184)=(2)2 C1 sol: (110)10= (1101110)2 84=(1010100)2=0101100 20 compliment 1101110 => (0011010)2 0101100 =1 26 0011010 Verification, 110 84 26 ANS

Q5: The gray rode makes only one bit change at one time when going from one humber to an other next number if ANS itis in sequence--> Gray Code for (1111)2=1000 -> Gray code for (0000h=0000 It can be shift be proved by a shaft shifter example another multipe examples-