Q.1.	find fu), f(2), f(3) and f(4) and f(f) f(n) is defined resursively by f(0) = 1
-	f(n+1) - f(n) + 2 $n=0$
	f(1) = f(0) + 2 $f(2) = f(0) + 2$ $f(2) = f(0) + 2$ $f(2) = 3 + 2 = 5$
	f(3) = f(2) + 2 = $5 + 2 = 7$ $f(4) = f(3) + 2$ = $7 + 2 = 9$
(b)	$f(n+1) = 2f(n)$ $f(1) = 2^{i}$
	$f(2) = 2^{4}$ $f(3) = 2^{4}$
(c)	$\int (4) = 2^{16}$
	f(n+1) = 3f(n) $f(u) = 3f(n)$ $f(u) = 3f(n)$ $f(u) = 3f(n)$
	f(2) = 39 $f(3) = 3f(2) = 3 + 27$

Q.2	use the Ervelidean algorithm to find.
(b)	246 43 031 123 031 123
	30 30 °[[30] 7 30 30 30
	9cd=01x8=38
(9)	gcd 100,107
	100 100 100 100 100 100
	gcd=1
(6)	9cd/1524.14034

	15291 1 48329
	13761
	002787 1583
	1390 2
	0139/278
	9 cd 000
	18/08
	gcd = 139 08 08
	06 111
0.3	Find Prime Factorization
a)	2 88
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
	09
	(oncol 1) 50 18
5)	126
	2 126
	3 63 126 = 2 x3 ² x7 3 21
	7 7 901
c) _	29 3 729
	3 3243 48001.452.
	3 81 @ 729 = 36
	3 9
	313

	THE BOX D D TO
d) 1001	
07/1001	
	01= 7×11×13
13 13	388
,	001 6
P) 1111	106/10
e) 1111)	
	11 152 1g-y
101/01	1111=112101
	2610
	000036-33 (5.0)
	3000 (- 31
F) 909090	Detock- 60
2 90 90 90	2 909090
50 45 45.45	3 45 4545
9 90909	3 151515
10101	3 50505
	5.16835
	7 3367
	13 481
	37 37
(Sugger - ACOVA + 1974 - 3	
909090	(8 (9)8 (10)
909090 = 2 × 33 × 5 ×	1×13 J
X	37
2000 3000) in - (6) in (4)
	THE RESERVE OF THE PARTY OF THE

0.	4) a) 68 = 12 = 1
	i) 84 = 17= 10 Not divided c) 387 = 17
-	21
	337 yes, divided
	83/
	000
	d) 1001
	171 58
	11001
	85 NOY divisible
	OTISHIII
	0129
05)	22->ferricele
	18 -) male
	40 -) Jotal 090 90 9
Q.6)	2/909000 2/909000
	2020 2 32.
	21/2310 1
	2 (80 2) 2
	283113
	Co.co
	1 183 181
	104(116)
	EXT = 36+14-32 0000
	F €= 12
	(J) N(P) - N(PNB) = 30-12=18
	0)
THE RESERVE	

7) n=8
	91 = 3
1	PP2 = P(n, 2)
1	:. 8P3 = P(8,3)
	$\frac{=8!}{(8-3)!} = \frac{28!}{5!} = 8 \times 7 \times 6$ $= 336$
	= 336
	0 8 6 × 74 × 60, = 8×7×6=336
8	52c = (521) - 52× 5 11 × 50 × 49 × 48 (51) (471) 51
	5 (51) (471)
	2 [25 9 8 9 6 0]
	=> 5267 = [25 9 8 960]
9	[A B C D E F GH
	= 61 = [720] (- 8+2mg AB().
	ABC, O, E, F, G, H
	1 3 4 5 (
(10)	$C(30,6) = 30c_0$
	O reterior for the second of t
	= 30j = 30x29 x 28x27 x 26x25
	59377S