03) a) f (x,y,z) =
$$\Sigma$$
 m (2, 3, 6, 7)

m	хух	minitermos	SoP(2, 3, 6, 7)
0	000	x'•y'•z'	0
1	001	x'•y'•z	0
2	010	x'•y •z' = m2	1
3	011	x'•y •z = m3	1
4	100	X•Y'•Z'	0
5	101	X•Y'•Z	0
6	110	x•y•z'=m6	1
7	111	x•y•z=m7	1

b) f (x,y,z) = Σ m (1, 3, 4, 5)

m	хух	minitermos	SoP(1, 3, 4, 5)
0	000	x'•y'•z'	0
1	001	x'•y'•z = m1	1
2	010	x'•y •z'	0
3	011	x'•y •z = m3	1
4	100	x•y'•z' = m4	1
5	101	x•y'•z = m5	1
6	110	x•y•z'	0
7	111	x•y•z	0

c) $f(x,y,w,z) = \Sigma m (1, 2, 5, 7, 9, 12, 13)$

m	x y w z	minitermos	SoP(1, 2, 5, 7, 9, 12, 13)
0	0000	x'•y'•w'•z'	0
1	0001	x'•y'•w'•z = m1	1
2	0010	x'•y'•w •z' = m2	1
3	0011	x'•y'•w •z	0
4	0100	x'•y•w'•z'	0
5	0101	x'•y•w'•z = m5	1
6	0110	x'•y•w•z'	0
7	0111	x'•y•w•z = m7	1
8	1000	X•Y'•W'•Z'	0
9	1001	x•y'•w'•z = m9	1
10	1010	x•y'•w•z'	0
11	1011	X•y'•W•Z	0
12	1100	x•y•w'•z' = m12	1
13	1101	x•y•w'•z = m13	1

d) f (x,y,w,z) = Σ m (0, 2, 5, 7, 9, 10, 12)

m	x y w z	minitermos	SoP (0, 2, 5, 7, 9, 10, 12)
0	0000	x'•y'•w'•z' = m0	1
1	0001	x'•y'•w'•z	0
2	0010	x'•y'•w •z' = m2	1
3	0011	x'•y'•w •z	0
4	0100	x'•y•w'•z'	0
5	0101	x'•y•w'•z = m5	1
6	0110	x'•y•w•z'	0
7	0111	x'•y•w•z = m7	1
8	1000	X•Y'•W'•Z'	0
9	1001	x•y'•w'•z = m9	1
10	1010	x•y'•w•z' = m10	1
11	1011	x•y'•w•z	0
12	1100	x•y•w'•z' = m12	1
13	1101	X•Y•W'•Z	0

e) f (x,y,w,z) = Σ m (1, 2, 3, 5, 7, 11)

m	x y w z	minitermos	SoP (1, 2, 3, 5, 7, 11)
0	0000	x'•y'•w'•z'	0
1	0001	x'•y'•w'•z = m1	1
2	0010	x'•y'•w •z' = m2	1
3	0011	x'•y'•w •z = m3	1
4	0100	x'•y•w'•z'	0
5	0101	x'•y•w'•z = m5	1
6	0110	x'•y•w•z'	0
7	0111	x'•y•w•z = m7	1
8	1000	X•Y'•W'•Z'	0
9	1001	x•y'•w'•z	0
10	1010	X•y'•W•Z'	0
11	1011	x•y'•w•z = m11	1
12	1100	X*Y*W'*Z'	0
13	1101	X*Y*W'*Z	0