1 -

a)

b)

Nível

1
2
3
4

Altura
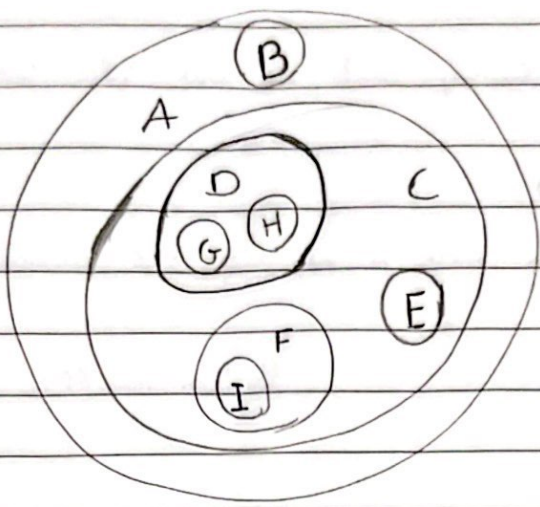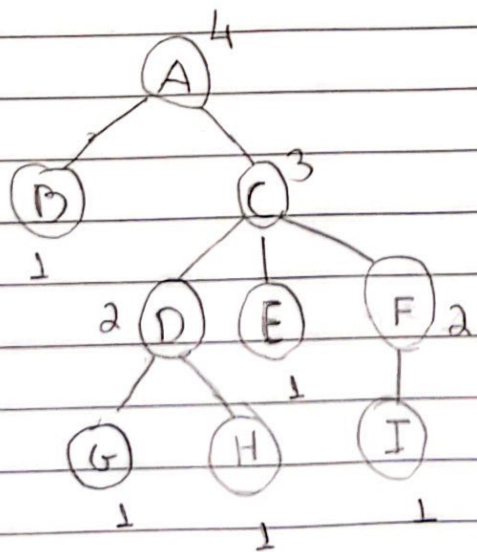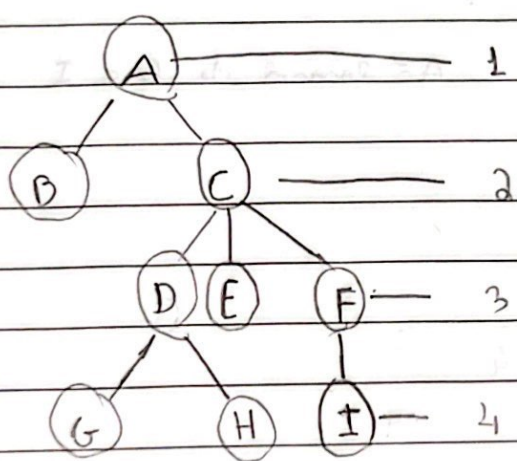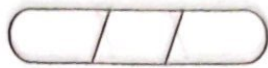
2-

a) 2

b) B, E, G, H e I

c) A = 2, D = 2 e G = 0

d) 3

e)

    B: A

    G: D, C, A

    I: F, C, A

f)

    G e I → primos   A = busavô de G e I

g)

    D, E, F, G, H e I

h) C, A

i) Nível 3 e altura 2

j) Nível 1 e altura 4

k) Altura 4

3-

a) d

b) d

c) $d^n - 1$ nós

d)

$$d^x - 1 = m$$

$$= \frac{\ln(m+1)}{\ln(d)}$$