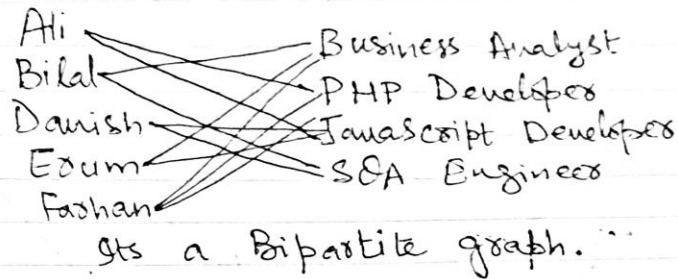
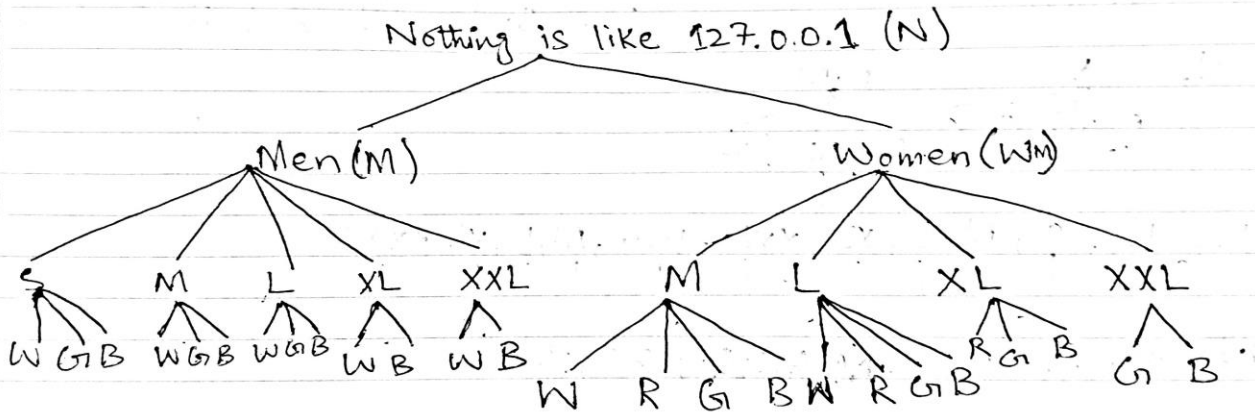


Mock Exam Solution

Q1 Part (i)



Part (ii)



Answer: 26 T-Shirts needed to be Stocked.

Part (iii)

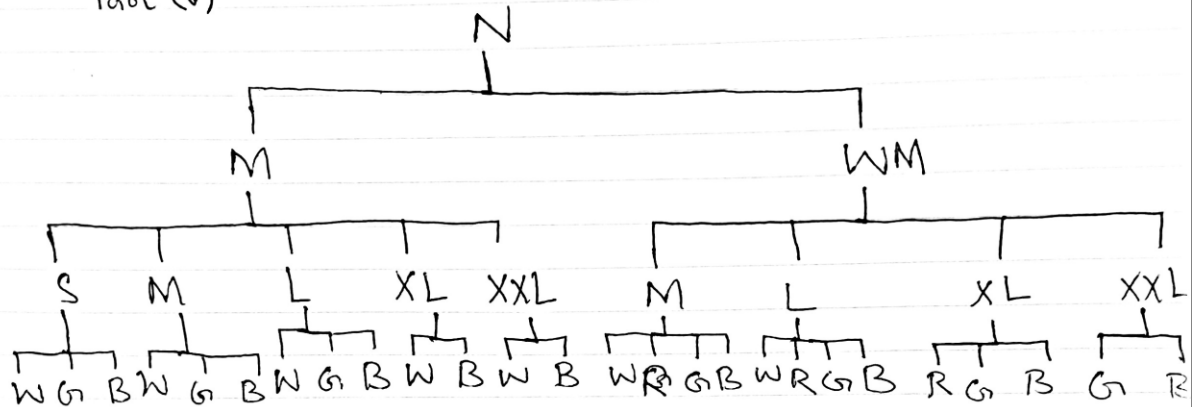
There are 26 leaves and 12 internal vertices.

Part (iv)

(a) Not a full m-ary tree because every internal vertex have different no. of child.

(b) Its a balanced m-ary trees because leaves are at h level

Part (v)



Preorder: R, L, R (Root, left to right)

N, M, S, W, G, B, M, W, G, B, L, W, G, B, XL, W, B, XXL, W, B, WM, M, W, R, G, B, L, W, R, G, B, XL, R, G, B, XXL, G, B.

Post order: (left to right, Root)

W, G, B, S, W, G, B, M, W, G, B, L, W, B, XL, W, B, XXL, M, W, R, G, B, M, W, R, G, B, L, R, G, B, XL, G, B, XXL, WM, N