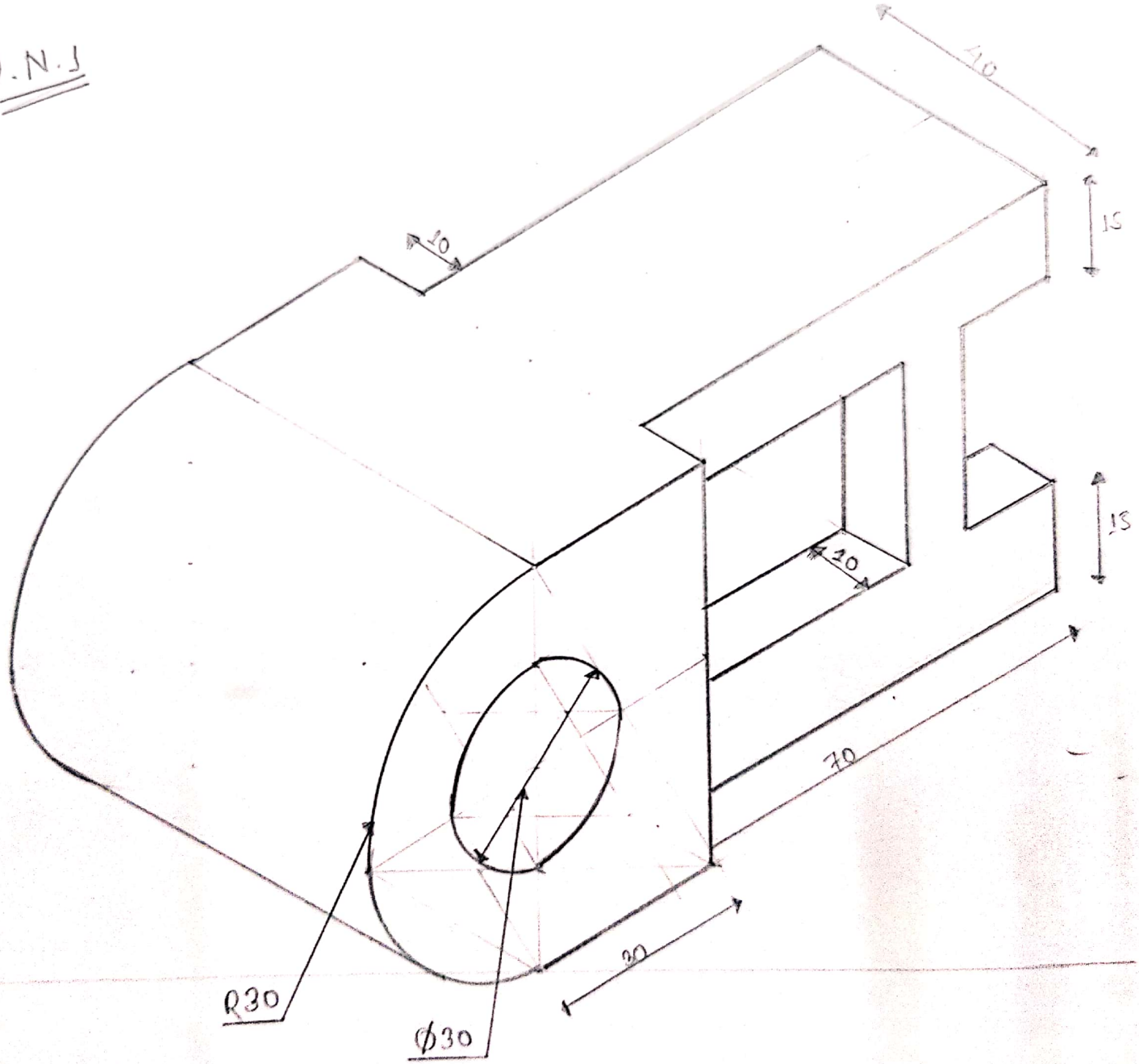
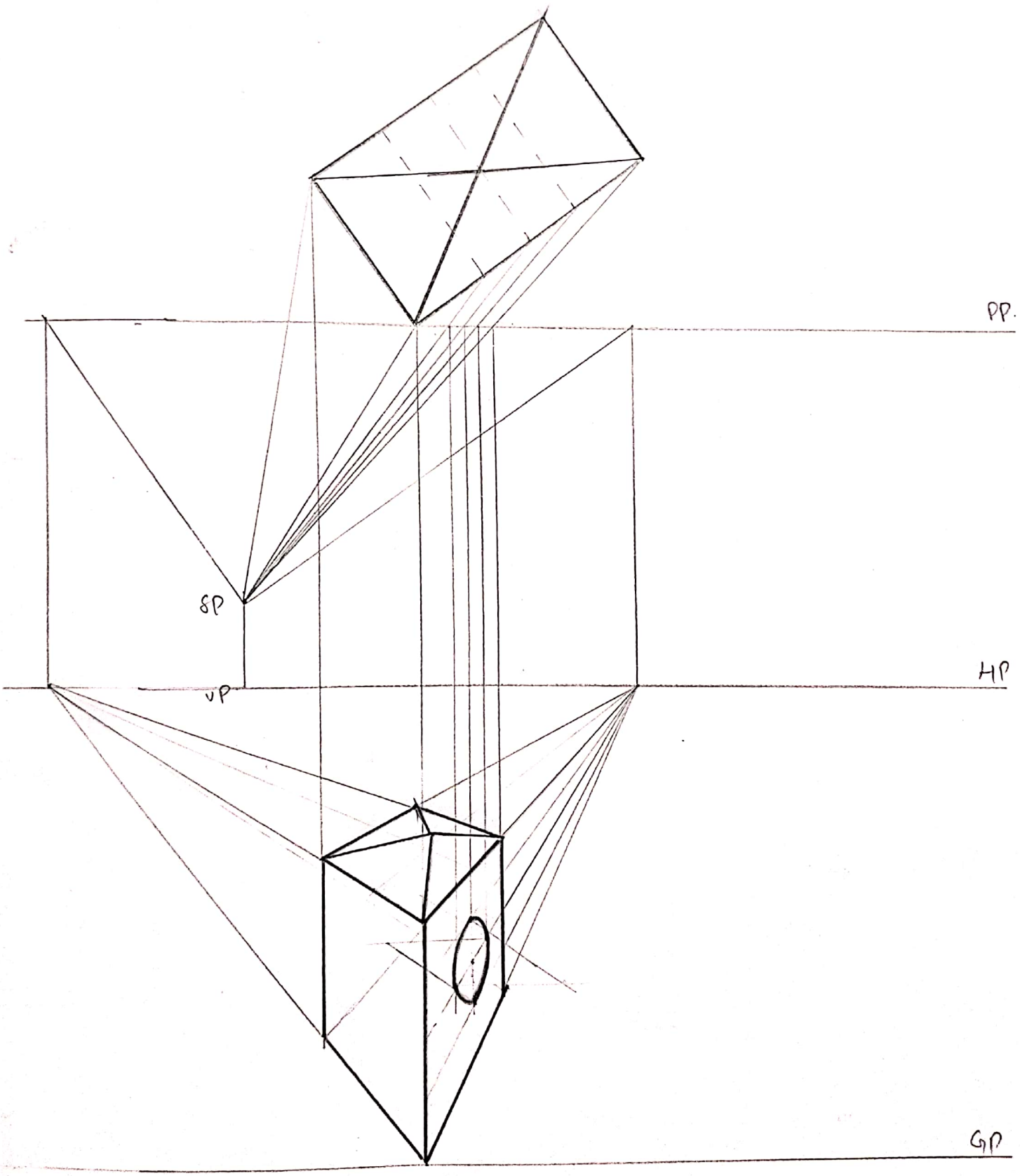
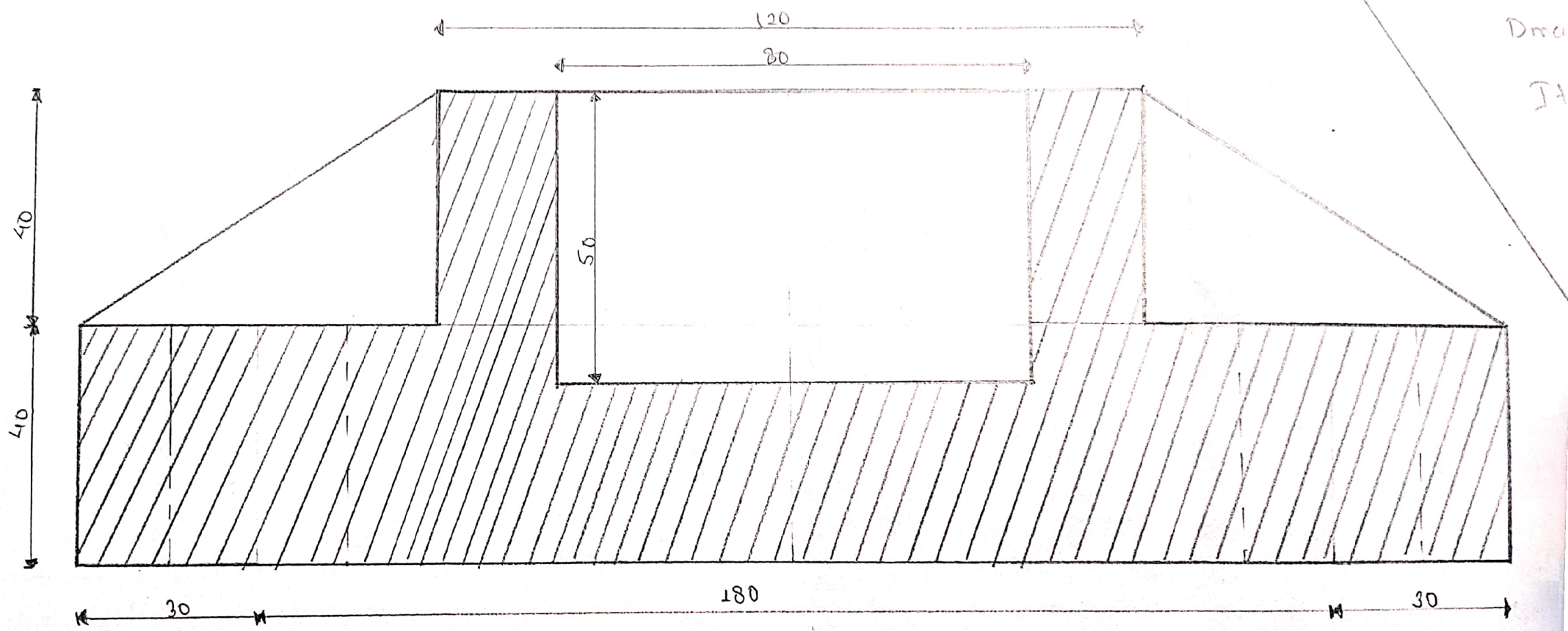
Q.N.1



Q.N.2



Q.N.3



Q.11.4

=> Here 100 H11/p7

For hole (mm)

BS = 100

FD = 0.00

I.T.G = 0.22

For shaft (mm)

BS = 100

FD = 0.037

IT G = 0.035

Now,

D_{min} = BS + FD

= 100 + 0.00

= 100.00

D_{max} = BS + FD + IT G.

= 100.00 + 0.22

= 100.22

d_{min} = BS + FD

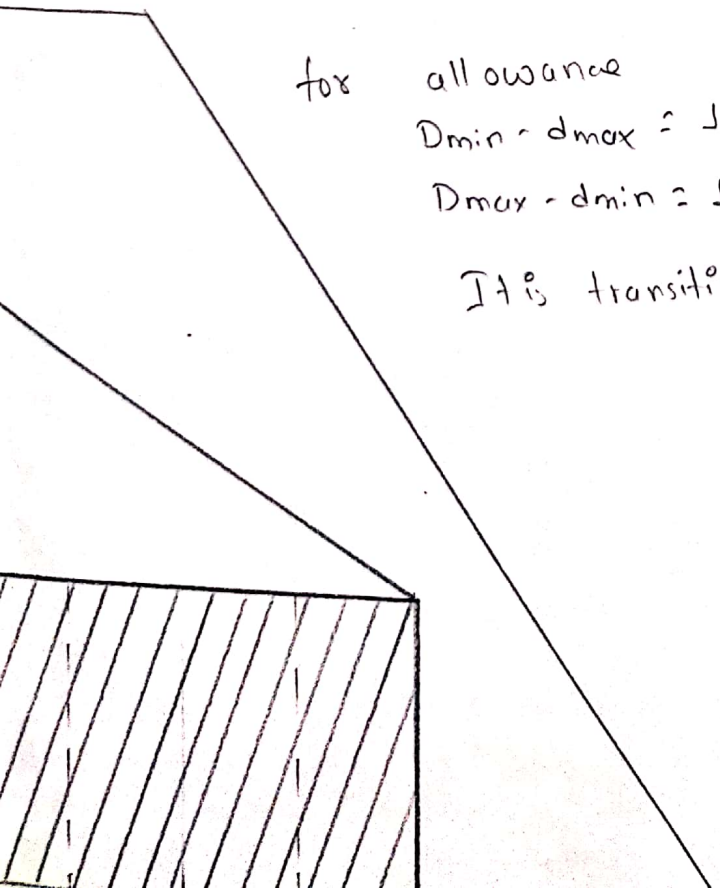
= 100 + 0.037

= 100.037

d_{max} = BS + FD + IT G

= 100.037 + 0.035

= 100.072.



for allowance

$D_{min} - d_{max}$ = 100.00 − 100.072 = −0.72

$D_{max} - d_{min}$ = 100.22 − 100.037 = +0.183

It is transition fit & hole basis system.