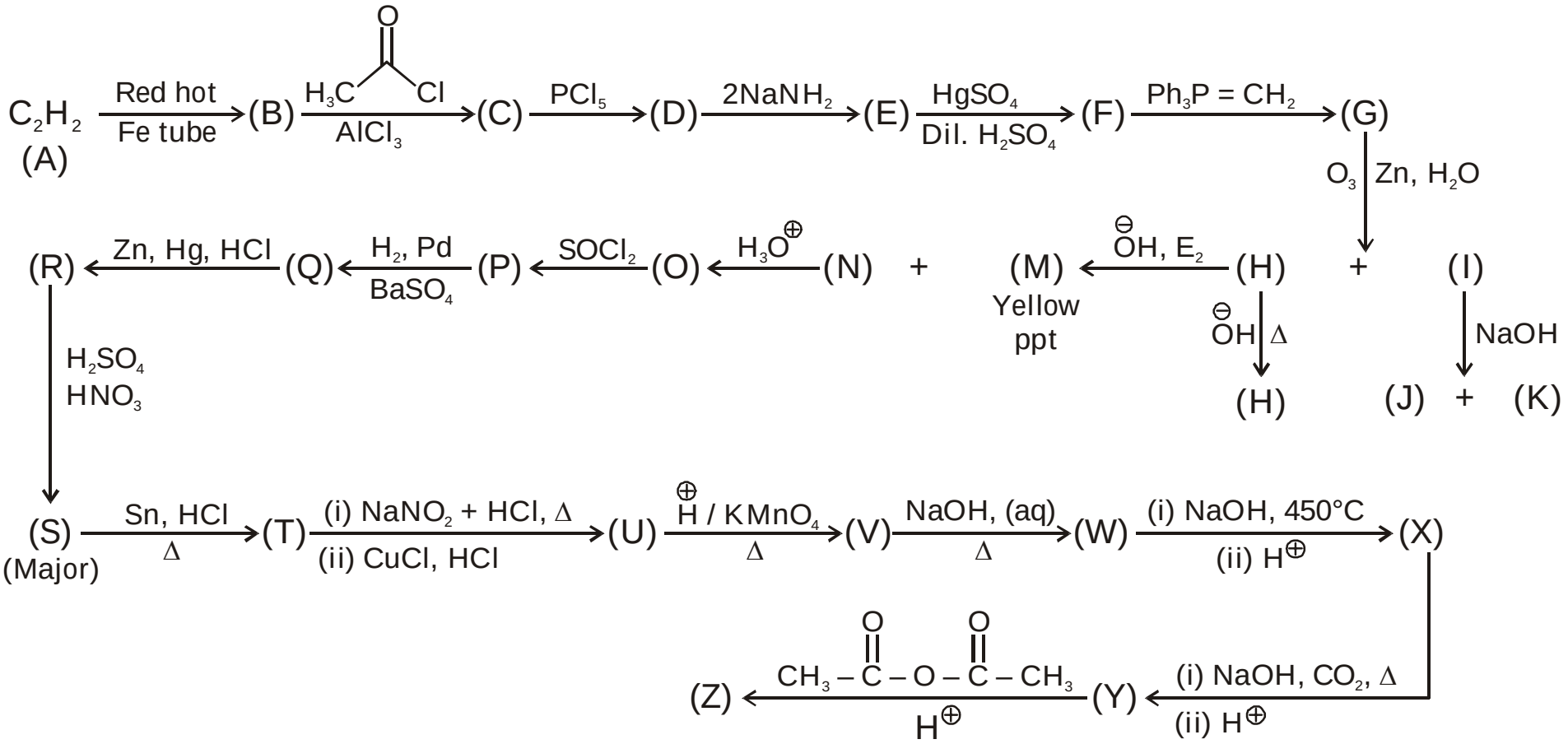
C2H2
(A)
Red hot
Fe tube
(B)
H3C
Cl
AlCl3
(C)
PCl5
(D)
2NaNH2
(E)
HgSO4
Dil. H2SO4
(F)
Ph3P = CH2
(G)
O3
Zn, H2O
(R)
Zn, Hg, HCl
(Q)
H2, Pd
BaSO4
(P)
SOCl2
(O)
H3O⊕
(N)
+
(M)
Yellow
ppt
⊖OH, E2
(H)
+
(I)
⊖OH Δ
(H)
NaOH
(J) + (K)
H2SO4
HNO3
(S)
(Major)
Sn, HCl
Δ
(T)
(i) NaNO2 + HCl, Δ
(ii) CuCl, HCl
(U)
⊕H / KMnO4
Δ
(V)
NaOH, (aq)
Δ
(W)
(i) NaOH, 450°C
(ii) H⊕
(X)
(i) NaOH, CO2, Δ
(ii) H⊕
(Y)
CH3 – C – O – C – CH3
H⊕
(Z)