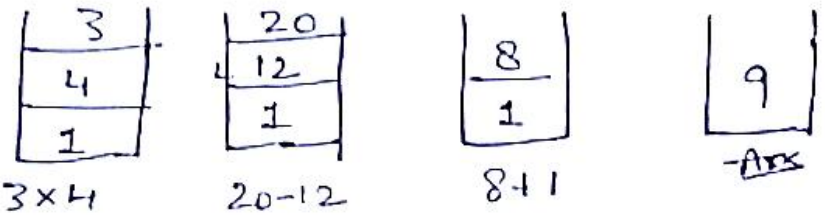
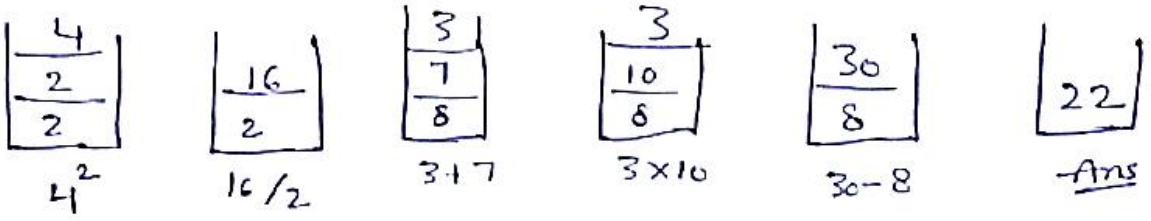
Assignment Day 3

Q.1 Evaluate following Prefix expressions.

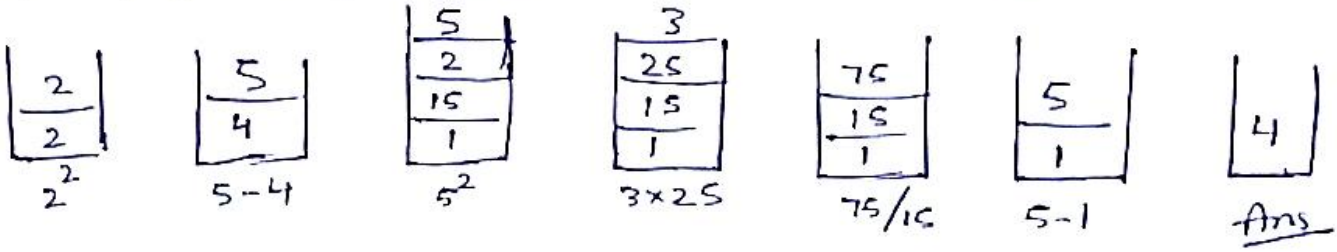
(i) +, −, 20, *, 3, 4, 1



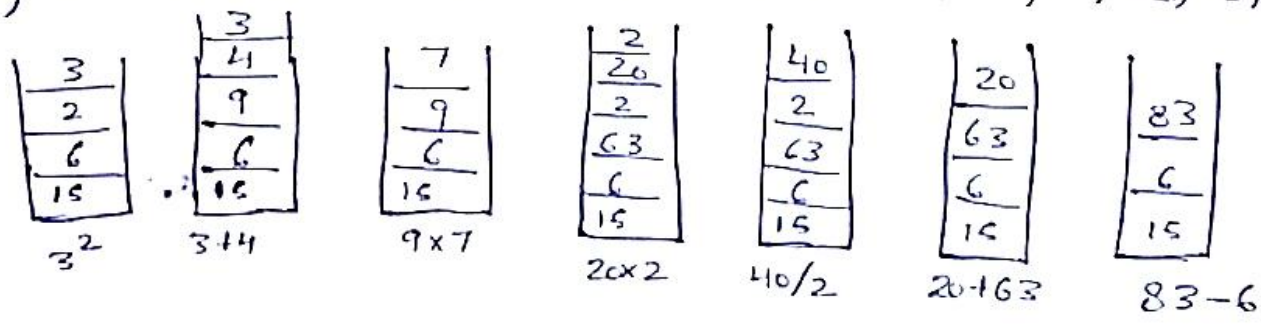
(ii) −, *, 3, +, 3, 7, /, ^, 4, 2, 2



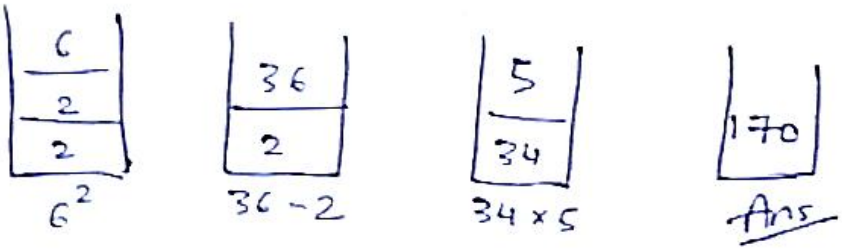
(iii) −, /, *, 3, ^, 5, 2, 15, −, 5, ^, 2, 2



(iv) +, −, +, /, *, 2, 20, 2, *, +, 3, 4, ^, 3, 2, 6, 15

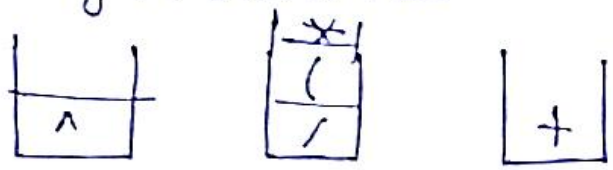


(v) *, 5, −, ^, 6, 2, 2



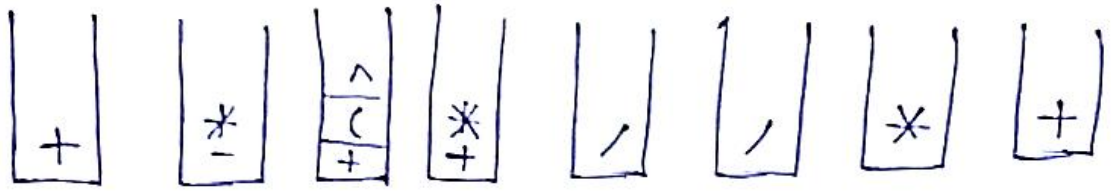
(5) Convert following infix expression to Postfix.

(i) x^y /(5*z) +2



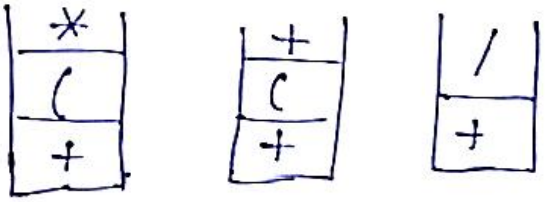
Postfix expression → x y ^ 5 z * / 2 +

(ii) K + L − M * N + (O ^ P) * W / U / V * T + Q



Post-fix expression → KL + MN * − OP ^ W * + U / V / T * Q +

(iii) A + (B * C + D) / E



Postfix expression → ABC * D + E / +