

b. Find the Z-transform of $x(n)=n4^{n-2}u(n + 2)$ 8 CO4 K4

(OR)

c. Find the inverse Z-transform using Long division method if

$$X(Z)=\frac{1}{1-1.5z^{-1}+0.5z^{-2}}$$

15 CO4 K4

i) RoC: $|Z|>1$

ii) RoC: $|Z|<0.5$

--- End of Paper ---