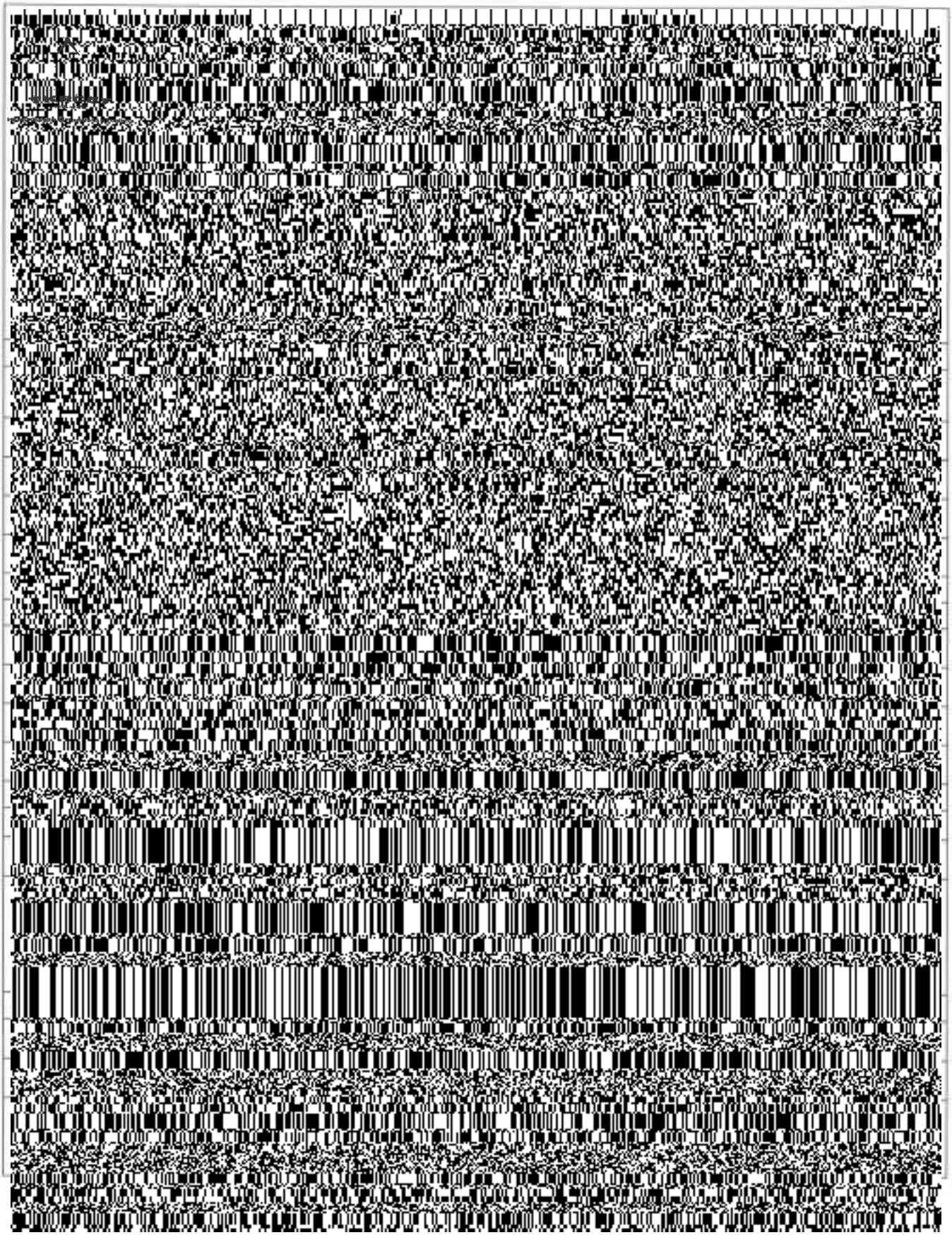

	OR		
14.	Explain V-I characteristics of Zener diode with neat diagrams. (10M)	CO2	L2
15.	Explain the operation of a Bridge wave Rectifier. Derive its ripple factor, Efficiency, PIV, and Form Factor. (10M)	CO3	L2
	OR		
16.	Draw and explain the Full wave rectifier with neat diagrams. Derive its ripple factor, Efficiency, PIV, and Form Factor. (10M)	CO3	L2
17.	Explain the input and output characteristics of CB configured transistor circuit with a neat circuit diagram. (10M)	CO4	L2
	OR		
18.a.	Explain operating point of a transistor and explain the concept of D.C Load line. (6M)	CO4	L2
18.b.	Determine the operating point for a fixed bias circuit whose V_{cc}=10V, R_c=2KΩ, R_b=930KΩ, β=50 for a silicon transistor. (4M)	CO4	L3
19.	With the help of neat circuit diagram explain the operation of N- channel JFET. (10M)	CO5	L2
	OR		
20.	Explain the construction and operation of a Enhancement MOSFET and draw its characteristics. (10M)	CO5	L2