



	OR		
16	Derive the expression for the ripple factor of π -Section filter when used with a Full-wave-rectifier. Make necessary approximations? [10M]	CO3	L3
17	A. Explain the constructional details of Bipolar Junction Transistor? [5M] B. Derive the relation among α , β and γ ? [5M]	CO4	L3
	OR		
18	Justify statement "Potential divider bias is the most commonly used biasing method" for BJT circuits. Explain how bias compensation can be done in such biasing through diodes? [10M]	CO4	L3
19	With the help of neat sketch explain drain and transfer characteristics of FET.	CO5	L4
	OR		
20	Sketch the drain characteristics of MOSFET for different values of V_{GS} & mark different regions of operation. [10M]	CO5	L4