Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractive Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

5			Module-4	(08 Mosks)
	7	a.	Explain with neat diagram construction and operation of n-JFÉT.	(08 Marks) (08 Marks)
		b.	Explain two terminal MOS structure using energy band diagram.	(08 Marks)
1		c.	Explain n-channel enhancement mode MOSFET with its circuit symbol.	(UT IVIAINS)
			OP.	
-	0	-	OR  Draw and explain small signal equivalent circuit of n-channel PNJFET.	(07 Marks)
	8	a.	Explain with neat diagram ideal C-V characteristics of MOS capacitor with P-type	
		b.		(07 Marks)
		c.	Explain the effect of frequency on gate voltage of a MOS capacitor with P-type st	ubstrate.
				(06 Marks)
			Module-5	(07 Marks)
	9	a.	Explain low pressure conical vapour deposition reactors.	(07 Marks)
_		b.	Explain photolithography process.	(06 Marks)
		C.	What are the advantages of integration?	(00 1111113)
- "			OR	
	10	a.	Explain method of ION implantation with schematic diagram.	(10 Marks)
	10	a. b.	Explain integration of other circuit elements with suitable diagram.	(10 Marks)
		υ.	Explain integration of other thouse transfer and	are more to the second of the
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