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	What is Finite Element Method for evaluation of field distribution? Discuss the procedure associated with this method and discuss its advantages and limitations. [15] 2. Discuss the applications of insulating materials in rotating machines and transformers. [15]							
C	3. Describe the current growth phenomenon in a gas subjected to uniform electric fields. [15] Explain Thermal breakdown in solid dielectrics. How this mechanism is more significant than the other mechanisms?							Α
	5. Explain with neat sketches Cockroft-Walton voltage multiplier circuit. Explain clearly its operation when the circuit is (a) unloaded (b) loaded. [15] A 6. What is Rogowski Coil? Explain with a neat diagram its principle of operation for							
	7.	measurement	of high impulse			ĖA	[]/5]	<i></i>
	8. Explain the importance of switching overvoltages in EHV power systems. How is the protection against over voltages achieved? [15]							
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