100	
	Page 36s.
	CH: 1
-	free electson theory
-	Density of State
-	Ksoning - Penny model
-	too meetion of engeas ham !
-	Dinect - Todinect boundary e
-	electronic moutorial
	Insilication
	semicondulton
	conductor
	Fermilevel, effective mess. Phonons
	CH=5
	supper coorductivity
( <del>-</del>	Properties of superconductors
	- Meissner effect
	Bes theory
-	Landon renetration Det
-	Josephon Effet
_	Type of superconductor

7 -4	Syllabus: Ombinsic and Extrinsic semiconductors
	(3 Dependance of Fermi level on calker concentration
	and temp (equilibrium cousies statistics)
	3 carrier generation and recombination, carrier
	huns an , diffusion. duft, p-n- gunction.
	(c) metal - semiconductor sunction (ohmic & schattley)
	Semiconductor material of interest for opticalector
	- HIVITEL .
(	

## Lish + . semiconductor interaction

- absorption, spantaneous emission and stimulated emission.
  - Joint density of states.
  - Density of States for photons.
  - Tounsilian trate (Fermi's folden aule)
  - often loss and gam, photovoltare effect -
  - brude model