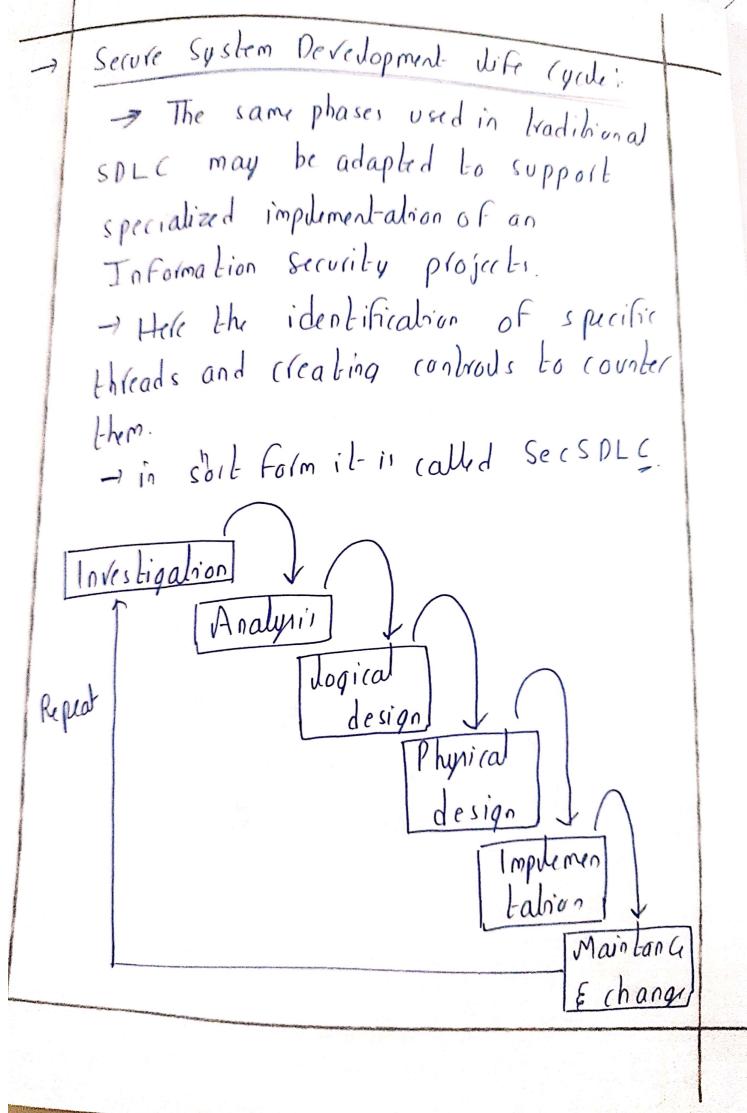
1) Explain security technology (Intrusion detection, prevention & other security tools). Intrusion detection system (IDS) Introder he is person who Introder is trying to gain an unauthonized , I accent to a system/anetwork Intrusion He tryi to stea /Intrusion information update information, detection system make system unu sable etc. 1 (IDS). (miss use of a system). Instrusion: The place I damage done by the intruder is called Intrusion. Intrusion detection system: It is securily management system for computer & networks. It make surei that all data is safe with out any dangelous

-) To detect attack aganit computer system & networks - To detect attempt by degitimal. user of the information system. -) To document the existing thread to an organization. - To provide information about intrusions. Typer of IDPS: (In Lousian detection & prévention systems) network bard IDPS host based IDPS il Network band IDPS: -) It is completely network bax ! -) Analyzier/matcher Waffir to the dibrary of known attacks -Imonitori, captura & analyze retwork la Stir.

-1 Detect maticion data present in -1 NIDS Analymi Very diffirult in buys unetwolk iil Host Bard IDPS:--) initalled on individual host of device of net-wolle -) It monitors data packet From the device and and will det the admin if suspicicious activity is detected -) Snapshola Existing = Previous system Film de Leter d'ol modification,



System lovestigation: (what it can potentially -) This places is stalled by officialifactives working at the hop deved management in organization. -) the main goal is to know what problem is the system being developed to solve. -) all the object-iver, constrain & stope of project are specified System Analysis: (understanding system theat) - In this phan detailed document analysis of the document from the system Investigation phase are done -) Previously existing security podocier, applications & software are analysed in order to check faults & Vudnerabidiha in the system.

dogical Design: (planning for idea which could solve threats) -) Main In the dogical design phase, the information from the onaly sin phase is used to begin creating the sodution. -) The mail god here is to make a dogical bdreprint that involves all the requirements Physical Design: (designing a bureprint). -) The technical team acquire the tood & bureprint & start implementing the software & by applying the security as pects (new). Implementation! (Final product of software is made here with testing). - here the final product or softwale is made of pulchased ording, receiving beiling are done here.

- hele an aggressive tuling is done here & Final system documentations ale weilten Maint enance: - This is once of the dangeist & most expensive phase -) after the implementation of the security program it must be insuled that it is functioning property E managed according. -) Flegrestely this places is repealedly For the better security. -) When any kind of bug of theats reported again the whole procen iloth & the issuer of -) Service SPLC is nothing but levod de d SDLC with security (From threats)