Assignment - 1

Q.) What is security management?

Solⁿ:- It ensures the availability, integrity confidentiality of an organisations data, information & IT services. IT infrastructure library security management generally forms part of an organizational strategy to security management that has a broader sense of scope compared to an IT service provider.

→ Following are information management sub-processes & process objectives.

  i) Designing security controls.
  ii) Security testing
  iii) Managing security incidents.
  iv) Security review.

Q., What is single sign on (SSO).

Sol^n :- It is a centralized session & user authentication service in which one set of login credentials can be used to access multiple applications. The service authenticates you one one designated platform, enabling you to then use a plethora of services without having to log in and out each time.

SSO's rise coincides with other notable & ~~more~~ interrelated trends, including the rise of public cloud, password fatigue, new developer methodolgies, enterprise mobility & web and cloud native applications. Overall SSO, when combined with risk management, improves access security & mitigates risk of a breach

Q.) Explain LDAP.

Solⁿ :- Lightweight directory Access Protocol is an internet protocol that works on TCP/IP, used to access information from directories. LDAP protocol is basically used to access an active directory.

Features :-

i) Functional model of LDAP is simpler, due to this it omits duplicate, rarely used & esoteric feature

ii) Easier to understand & implement

iii) Uses strings to represent data.

Models :-

a) Information Model
b) Naming Model
c) Functional Model
d) Security Model.