

## Computer Science - ICS Part 1 Computer Science Chapter 2 Short Questions Preparation

Q1. Define work group computing.

**Ans 1:** Work group computing is a highly important aspect of modern world computing. It is used in today's business, academic, technological, and research-oriented atmosphere. It is also known as collaborative computing.

Q2. Write essential components of network system.

**Ans 1:** The essential components of network systems are:

1. NIC
2. Bridge
3. Gateway
4. Router
5. Switches
6. Hubs
7. Modems

Q3. Write two functions of session layer?

**Ans 1:** Determine how two devices establish, maintain, and manage a connection. How they talk to each other. These connections are called sessions.

Q4. What is groupware?

**Ans 1:** Groupware refers to programs that help people work together collectively while located remotely from each other. Programs that enable real-time collaboration are called synchronous groupware.

Q5. Define Extranet.

**Ans 1:** An extranet is two or more intranets connected in such a way that they enable collaboration among the companies that own separate intranets. On an extranet, each connected company usually makes one selected part of its intranet accessible to the employees of one or more other companies.

Q6. Give two uses of email.

**Ans 1:** 1. Email is a cost-effective way to communicate with friends, or business associates regardless of where they are physically located.  
2. We can send letters, notes, files, data, or reports all using the same technique.

Q7. Define Star Topology.

**Ans 1:** Many homes network use star topology. A star network feature a central connection point called hub, that may be an actual hub or a switch. Advantage: Easy to detect faults. It is very fast in speed. Easy to expand the network. Disadvantage: It is expensive.

---

Q8. Write the name of three LAN protocols ?

**Ans 1:**

1. Ethernet
  2. Fast Ethernet
  3. Gig Ethernet
  4. WiFi
  5. FDDI
  6. Token Ring
- 

Q9. What is repeater ?

**Ans 1:** A repeater is a network device that is used to regenerate or replicate signals that are weakened or distorted by transmission over long distance and through areas with high levels of electromagnetic

---

Q10. Write the names of three LAN protocols.

**Ans 1:** Physical layer protocols used in LAN's are:

1. Wifi
  2. ATM LANE
  3. FDDI
-