Time : 2 Hours   **COMPUTER ORGANISATION AND OPERATING SYSTEM (CWSN)**

Subject Code

V	3	1	8

Total No. of Questions : 3   **(Printed Pages : 3)**   **Maximum Marks : 50**

GENERAL INSTRUCTIONS : i) *All* questions are **compulsory**.

ii) *Answer to every question shall be written on a* **fresh** *page.*

iii) *Figures to the right indicate* **full** *marks.*

iv) *Draw neat diagrams* **wherever** *necessary.*

v) *Write the numbers of question and sub-question* **clearly**.

1. A) Fill in the blanks by choosing the appropriate words from the choices.   **[10]**

    1) _____ is the topology in which each node is connected to every other node.

      a) Star   b) Mesh   c) Ring   d) Bus

    2) Data Communication System within a building or a campus is _____

      a) LAN   b) WAN   c) MAN   d) Wireless

    3) _____ networks uses unbounded media.

      a) Wired   b) Wireless   c) Cables   d) MAN

    4) _____ is a collection of computers and devices connected by communication channel that allows users to share data.

      a) Network   b) Arrangement   c) Medium   d) Cables

    5) MAN is the abbreviation of _____

      a) Metropolitan Area Network   b) Metropolitan Application Network

      c) Metropolitan Access Network   d) Metropolitan Added Network

    6) The physical or logical arrangement of computers on network is _____

      a) Topology   b) Routing

      c) Networking   d) Connection

7) _____ is the network in which data traffic is regulated by passing a special electronic signal.

   a) Bus   b) True   c) Ring   d) Token Ring

8) The server that serves different types of files is called as _____

   a) File server   b) Print server

   c) Mail server   d) Web server

9) A device which is used to connect light signals to digital signal is called _____

   a) Hub   b) Repeater   c) Switch   d) Fiber line driver

10) _____ command is used to display the working directory in Linux.

   a) pwd   b) Is   c) cd   d) cmp

B) Pick the odd one out from the following computer terms : **[5]**

   1) LAN, WAN, Topology

   2) Wired, Wireless, WAN

   3) Dedicated, Server, Mail Server, Client

   4) Coaxial, Twisted pair, Repeaters

   5) Cat, Touch, rmdir.

C) Match the following : **[6]**

1)	Data transmission	BNC
2)	Workstation	Linux
3)	Server	Unshielded twisted pair
4)	Twisted wire	Simplex mode
5)	Connectors	Node
6)	Bourne shell	Dedicated machine

D) Answer the following in a word or phrase. **[5]**

   1) Name the data communication mode in which transmission can take place in both the directions simultaneously.

   2) Name the type of server that allows computer workstation to interface with one or more printers that are shared on a network.

   3) Name the signal that is in the form of waves.

   4) Name the component of Linux that act as a heart of Linux operating system.

   5) Name the command used to list the files in Linux.

2. Answer the following questions in **one** sentence **each** : **[6]**
   1) What is Data transmission ?
   2) State one point of difference between Analog transmission and Digital transmission.
   3) State one point of difference between wired and wireless network.
   4) What is physical topology ?
   5) What is domain ?
   6) State one use of Repeater.

3. Answer the following questions in brief (**any 9**) : **[18]**
   1) State any two characteristics of computer network.
   2) State any two benefits of wired network.
   3) Describe briefly Bus topology.
   4) Describe briefly data transmission.
   5) Describe briefly star topology.
   6) Describe briefly client server architecture.
   7) State two points of difference between Broadband and Baseband transmission.
   8) What is a web server ? Write 2 features of Web Server ?
   9) Write any 2 uses of EDI.
   10) What is a repeater ? Why are they required in a network ?
   11) Write any two differences between twisted pair cable and co-axial cable.

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