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COSN10 Vocabulary 3/8/2021

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| **Across****2.** A type of cable that contains a central conductor wire surrounded by an insulating material, which in turn is surrounded by a braided metal shield**4.** The sixth layer of the OSI model**9.** The second layer of the OSI model**12.** The portion of an Ethernet frame that is the frame check sequence (FCS).**14.** The IEEE term for the 48-bit MAC address assigned to a network interface**15.** An international standard suite of protocols defined by the International Organization for Standardization (ISO) **16.** A Layer 2 (Data Link) multiport device that filters and forwards frames based on MAC addresses**21.** A connectionless networking container used in UDP communication**23.** An agreement that governs the procedures used to exchange information between cooperating entities; usually includes how much information is to be sent, how often it is sent, how to recover from transmission errors, and who is to receive the information**24.** The process where a receiving system verifies and puts together packets into coherent data**25.** Interference from one device to another, resulting in poor performance in the device’s capabilities. This is similar to having static on your TV while running a hair dryer, or placing two monitors too close together and getting a “shaky” screen.**27.** A set of protocols that are commonly used together and operate at different levels of the OSI seven-layer model**28.** A popular cabling for telephone and networks composed of pairs of wires twisted around each other at specific intervals**29.** The fist layer of the OSI model**30.** The primary data that is sent from a source network device to a destination network device**31.** A device that gives a graphical/visual representation of signal levels over a period of time**32.** The third layer of the OSI model**33.** Handles the process of differentiating among various types of connections on a PC | **Down****1.** Each independent network in a TCP/IP internetwork**3.** A connector used for 10Base2 coaxial cable**5.** Part of an Ethernet frame that describes/labels the frame contents**6.** The seventh layer of the OSI model**7.** A piece of the spectrum occupied by some form of signal, whether it is television, voice, fax data, and so forth**8.** The fifth layer of the OSI model**10.** The fourth layer of the OSI model**11.** The connection-oriented payload of an IP packet**13.** Basic component of communication over a network. A group of bits of fixed maximum size and well-defined format that is switched and transmitted as a complete whole through a network. It contains source and destination address, data, and control information.**17.** A mix or blend of two different topologies**18.** An architecture model based on the TCP/IP protocol suite, which defines and standardizes the flow of data between computers**19.** A networking term used to refer to the logical stream of data flowing between two programs and being communicated over a network. **20.** A high-speed physical medium for transmitting data that uses light rather than electricity to transmit data and is made of high-purity glass fibers sealed within a flexible opaque tube. Much faster than conventional copper wire**22.** Shared functions, subroutines, and libraries that allow programs on a machine to communicate with the OS and other programs**26.** Ratings developed by Underwriters Laboratories (UL) and the National Electrical Code (NEC) to define the risk of network cables burning and creating noxious fumes and smoke |