

ECAT Computer Science Online Test

| Sr | Questions | Answers Choice |
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| 1 | Logical security for on-line systems is achieved primarily by _____ and authorization codes | A. MIS B. Passwords C. Tactical D. None of the above |
| 2 | What does the acronym ISDN stand for? | A. International Services Data Network B. Intelligent Services Digital Network C. Integrated Services Digital Network D. Interactive Services Digital Network |
| 3 | Who invented the modem? | A. IBM B. DEC C. AT&T information System, USA D. Apple computers Inc |
| 4 | A driver is. | A. hardware B. a peripheral device C. a card D. software |
| 5 | Now-a-day computers all over the world can talk to each other. Which is one of the special accessories essential for this purpose? | A. Fax card B. Modem card C. Network Adapter card D. DVD |
| 6 | Cabling on a linear bus topology can be extended using which of the following? | A. Terminator B. Barrel connector C. Network adapter card D. Medium attachment unit |
| 7 | What best describes a bus topology network? | A. The number of computers on the network does not affect performance B. Easier to troubleshoot than other topologies C. Needs significantly more cabling than other topologies D. Media is inexpensive and easy to work with |
| 8 | Which of the following topologies is passive? | A. Star topology B. Ring topology C. Bus topology D. Hybrid topology |
| 9 | Which of the following statements best describes a star topology? | A. Needs significantly less cabling than other topologies B. Breaks in a single cable segment takes down entire network C. More difficult to reconfigure than other topologies D. Centralized monitoring and management |
| 10 | Which of the following does not provide a graphical user interface. | A. OS/2 B. MS-DOS C. Macintosh D. Windows NT Workstation |
| 11 | A device that connects multiple nodes to the network is. | A. A modem B. A repeater C. A router D. A hub |
| 12 | Which of the following is not a category of network problems. | A. Newsgroup problems B. Physical problems C. Electrical problems D. Viruses |
| 13 | The media Access Control sublayer resides in which OSI layer? | A. Physical B. Data Link C. Network D. Transport |

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| | | D. Transport |
| 14 | What enables a computer to work with a printer? | A. Protocols B. Drivers C. Packet processor D. HCL |
| 15 | Token passing prevents data collisions by. | A. Using code to steer tokens around each other B. Having multiple tokens take alternate routes. C. Allowing only one computer at a time to use the token D. Using zones to control network traffic congestion |
| 16 | Which of the following access methods listens to the cable for network traffic before sending data? | A. Token passing B. Polling C. CSMA/CA D. CSMA/CD |
| 17 | What layer of the OSI model does data compression? | A. Network B. Data Link C. Presentation D. Physical |
| 18 | Project 802 defines standards for which layers of the OSI model? | A. Application and Presentation layers B. Physical and Data Link layers C. Transport and Network layers D. Network and Data Link layers |
| 19 | A network of geographically distant computers and terminals is called a. | A. bus B. WAN C. gateway D. LAN |
| 20 | People on a LAN can share. | A. Printer B. CD-ROM disk drive C. modem D. fax machine E. All of the above |
| 21 | The transfer of encoded information from one location to another by a communication channel is called | A. data processing B. data distribution C. data communication D. data encryption |
| 22 | Pick up wrong logical expression | |
| 23 | According to Boolean algebra $x + 1 =$ _____ | A. 0 B. 1 C. x |
| 24 | Question Image | A. 0 B. 1 C. x |
| 25 | Question Image | A. 0 B. 1 C. x |
| 26 | According to Idempotent law , $x + y =$ _____ | A. 1 B. 0 C. x D. $x \cdot x$ |
| 27 | In a three input NAND gate, if all the inputs are 1, the output is. | A. 0 B. 1 C. 3 D. indeterminate |
| 28 | The number of inputs to full adder are | A. 1 B. 2 C. 3 D. 4 |
| 29 | The half adder circuit has | A. one input B. two inputs C. three inputs D. always more than two inputs |
| 30 | The heart of analog to digital converter (ADC) is | A. comparator B. pulse generator C. voltage source D. current source |