

Part 1: Find the most correct answer, and then put its letter in the table below

(30 marks)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

1) Which of these is not an example of solid state storage?

- A. DVDs**
- B. SSDs
- C. Flash memory cards
- D. USB drives

2) A byte is formed by a group of

- A. 4 bits
- B. 8 bits**
- C. 12 bits
- D. 16 bits

3) To _____ is to send data to a satellite.

- A. uplink**
- B. downlink
- C. modulate
- D. demodulate

4) Which of the following is not an example of secondary storage?

- A. External hard drives
- B. RAID
- C. RAM**
- D. Flash drives

- 5) "GUI" stands for
- A. Gnutella universal interface
 - B. Graphic uninstall/install
 - C. Graphical user interface**
 - D. General utility interface
- 6) Which of the following is a function of the control unit?
- A. It provides pathways that support communication among the various electronic components.
 - B. It directs the control signals between the CPU and input and output devices.**
 - C. It performs fundamental math operations like addition, subtraction, etc.
 - D. It uses the logic to compare two pieces of data.
- 7) One proposed law requiring employers to alert employees during monitoring with some sort of audible or visual signals was passed to prevent the abuse of which program?
- A. Spyware
 - B. Freeware
 - C. Snoopware**
 - D. Cookies
- 8) In a microcomputer system, the CPU is contained on a single chip called the
- A. semiconductor
 - B. ALU
 - C. microprocessor**
 - D. Control Unit
- 9) Which of the following allows a computer to run two or more operations simultaneously?
- A. Coprocessors
 - B. Multiplexing
 - C. Multi-core chip**
 - D. Binary system

- 10) _____ is any data or instructions sent to the computer.
- A. Digital
 - B. Output
 - C. Information
 - D. Input**
- 11) Which of the following things come under the heading of e-learning?
- A. Using computer and mobile phones
 - B. Web-based learning
 - C. Podcasting
 - D. All of the above**
- 12) This type of keyboard uses a touch screen as the input device.
- A. PDA keyboard
 - B. Wireless keyboard
 - C. Traditional keyboard
 - D. Virtual keyboard**
- 13) Instead of using a mouse, you can use this pointing device to control the pointer by rotating a ball with your thumb.
- A. Pointing stick
 - B. Touchpad
 - C. Joystick
 - D. Trackball**
- 14) WiMax stands for:
- A. Wide-area access for maximum reach
 - B. Wide-area range to maximize access
 - C. Worldwide interoperability for microwave access**
 - D. Worldwide access to maximize interoperability
- 15) OMR, OCR, and MICR are all types of
- A. Radio Frequency Card Readers (RFID)
 - B. magnetic card readers
 - C. bar code readers
 - D. character and mark recognition devices**

- 16) Hard disks store and organize files using all the following, except
- A. tracks
 - B. sectors
 - C. cylinders
 - D. paths**
- 17) Which of these sites is an example of a metasearch engine?
- A. Google
 - B. Dogpile**
 - C. Ask
 - D. Medscape
- 18) The process of accessing information from secondary storage devices is referred to as
- A. backing up
 - B. restoring
 - C. writing
 - D. reading**
- 19) Which among the following is the most effective way to ensure the shutting down of an ISP or a Web site?
- A. Denial of service attack**
 - B. Viruses
 - C. Trojan horses
 - D. Worms
- 20) Which of the following statements on RAIDs is incorrect?
- A. provide expanded storage capability
 - B. have a fast access speed
 - C. are highly reliable
 - D. are composed on one high-capacity hard disk drive**
- 21) Which among the following originate and accept messages in the form of data, information, and/or instructions?

- A. Communication channel
- B. Sending and receiving devices**
- C. Connection devices
- D. Data transmission specifications

22) Which among the following is considered a line of sight communication medium?

- A. Broadcast radio
- B. Satellite communication
- C. Bluetooth
- D. Infrared**

23) Cellular services use _____ to provide wireless connectivity to the Internet.

- A. ADSL
- B. T1 and T3 cellular networks
- C. DSL
- D. 3G and 4G cellular networks**

24) On the motherboard, the connection points for chips are referred to as

- A. slots
- B. sockets**
- C. ports
- D. lines

25) A unique numeric address used by the computer to deliver e-mail and to locate Web sites is called the

- A. domain address
- B. protocol address
- C. IP address**
- D. Web address

26) A wide range of programs used to secretly record an individual's activities on the Internet is called

A. spyware

B. cookies

C. sniffer programs

D. keystroke loggers

27) Which of the following is not malware?

A. Trojan horses

B. Viruses

C. Worms

D. Spy Doctor

28) Corporations often use this to prevent copyright violations.

A. Digital Millennium Copyright Act

B. Web site encryption

C. Digital rights management (DRM)

D. Keystroke loggers

29) Using the following Excel sheet, the result of the formula (function) **=SUM(B2:B5)** is

	A	B
1	Year	Sold items
2	2002	60
3	2004	70
4	2006	40
5	2008	30

A. 70

B. 240

C. 200

D. 30

30) Using the same above Excel sheet, what is the formula (function) used in cell **A5**?

A. =A4/2

B. =A2/2

C. =A4+2

D. =A2+2

Part 2: Choose the correct answer from the table and then fill its number in the corresponding spaces. (10 marks)

1. property	2. server	3. demodulation
4. CPU	5. RAM	6. supercomputer
7. phishing	8. system unit	9. external
10. CRT	11. WANs	12. IP

2	1. Cloud suites are stored on a _____ on the Internet, rather than on your microcomputer.
6	2. The most powerful type of computer.
4	3. Stands for Central Processing Unit.
8	4. Contains most of the electronic components in a computer system.
12	5. Voice over _____ is the transmission of telephone calls over computer networks.
10	6. Type of monitor similar to a traditional television set.
9	7. A(n) _____ hard disk is typically connected to a USB or FireWire port.
5	8. A type of storage that is volatile.
11	9. _____ are countrywide and worldwide networks.
1	10. Relates to who owns data and rights to software.

1	2	3	4	5	6	7	8	9	10
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Part 3: Answer the following questions:

(10 marks)

1) Mention **two** expansion cards commonly used in a computer.

- Graphics cards
- Sound cards
- Network interface cards
- Wireless network cards
- PC cards & Express cards
- TV tuner cards

2) What are the **three** kinds of optical discs?

- Compact Disc (CD)
- Digital Versatile Disc (DVD)
- Blu-Ray Disc

3) Mention the **three** major physical connection mediums used by a communication system.

- Twisted-pair cable
- Coaxial cable
- Fiber-optic cable.

4) What are computer ethics?

Ethics are standards of moral conduct. Computer ethics are guidelines for morally acceptable use of computers in our society. We are all entitled to ethical treatment, including the right to keep personal information, such as credit ratings and medical histories, from getting into unauthorized hands.

5) How does an optical scanner work?

An optical scanner scans image or text documents and converts them to machine-readable form. These devices do not recognize individual letters or images. Rather, they recognize light, dark, and colored areas that make up individual letters or images. Typically, scanned documents are saved in files that can be further processed, displayed, printed, or stored for later use.