

نام درس: زبان تخصصی	تعداد سؤالات: تستی: ۳۰ تشریحی: ۵
رشته تحصیلی و کد درس: مهندسی کامپیوتر - مهندسی اطلاعات - علوم کامپیوتری	زمان آزمون: تستی: ۴۵ تشریحی: ۶۰ دقیقه
۱۲۲۵۰۰۸ - ۱۱۱۵۰۷۴	آزمون نمره منفی دارد ○ ندارد ⊗
کد سری سؤال: یک (۱)	استفاده از: — مجاز است.

امام علی^(ع): برتری مردم به یکدیگر، به دانش‌ها و خرده‌هاست؛ نه به ثروت‌ها و تبارها.

- 1- Computer can work without having to stop to rest unless there is a
 a- data b- information c- breakdown d- mistake
- 2- All computers..... and process information in the form of instructions and characters.
 a- accept b- reject c- access d- fetch
- 3- Which of the following statements is true?
 a- Not all computers process data given to them and produce results.
 b- Computers haven't changed our work conditions very much.
 c- The basic concept of data processing are restricted to computers alone.
 d- The processor is the central component of a computer system.
- 4- Which one is not the synonym of others?
 a- tremendous b- vast c- enormous d- small
- 5- Words of processor and CPU can be used..... .
 a- interchange b- interchangeably c- interchangeable d- interchanged
- 6- Which of the following noun-forming suffixes is defined incorrectly?
 a- -ance means state b- -ence means quality of
 c- -ness means condition of d- -ion means activity
- 7 -Which of the following adjective - forminy suffixes is defined correctly?
 a- -ous means without t b- -ish means like
 c - -less means quality of d- -ing means having
- 8- The phrase "multimedia" means:
 a- Software that enables computer to think like experts.
 b- A combination of text with sound, video, animation and graphics.
 c- Use of computers to stay in touch with the office while working at home.
 d- Internet system designed to provide free, interactive access to vast resources for people all over the word.

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9-divides data into groups based on similar features or limited data ranges when data is not labeled in a way that is favorable to mining.

- a- Tables b- Trees c- Clustering d- Graphs

10- Which one is the antonym of others?

- a- convenient b- practical c- near d- far-away

11- The phrase "supervisor program" means:

- a- The most important program in Operating System.
 b- The original system program from which compiled programs are generated.
 c- The program that manages Operating System.
 d- Both a and b

12- What did Linus Torvalds use to write the Linux Kernel?

- a- GNU programming tools b- Mimix
 c- Unix d- KDE

13- In which statement the second word is a synonym for the first word?

- a- large tiny b- reject accept c- dormant inactive d- receiving inputting

14- A..... is an electronic device which connects all the data cabling in network.

- a- Hub b- Convertor c- Adaptor d- Switch

15- A system that allows a user to interact with a computer using a combination of inputs, called:

- a- Multimedia b- Multimodal interface
 c- Operating System d- Compiler

16- A CD or Wav file may sample a song 44,000 times a second, huge mass of information.

- a- creates b- created c- creating d- create

17 -Which of the following terms is defined by statements " A 32 -bit number identifying a node in an IP network"

- a- Resolution Protocol b- Internet Address c- Gateway d - Look-up table

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18- Which of the following statements is false?

- a- Internet addresses are an integral part of the IP.
- b- Internet addresses can be written as a series of numbers.
- c- UDP software provides final routing data within the receiving system.
- d- TCP only works when it is combined with IP.

19- Which of the following statements is true?

- a- SMTP is the only protocol for transforming messages between servers.
- b- POP protocol allows the user to download one message at a time.
- c- IMAP is different in operation from POP.
- d- IMAP4 require more bandwidth than the other email protocols.

20- Which one is different from others?

- a- retrieve
- b- recover
- c- fetch
- d- reject

21- An example of page presentation language is called

- a- Meta language
- b- XML
- c- HTML
- d- Markup language

22. The phrase "SGML" means:

- a- A language from which you can create other languages.
- b- Extensible markup language.
- c- An example of page presentation language.
- d- A coding system used for structuring and formatting documents.

23- Which of the following statements is true?

- a- Computer connected to a satellite system do not need a modem.
- b- DSL systems require a special digital telephone line.
- c- You need a separate line to hold normal phone conversations on an ADSL system.
- d- DSL systems use analogue signals.

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24- What does data encryption provide?

- a- privacy b- authentication c- integrity d- ability

25- A message digest-function is used to:

- a- Authenticate a user. b- Create a MAC.
c- Encrypt a message. d- Decrypt a message.

26- Which of the following words matched with the statement " make unauthorized changes"?

- a- tenets b- decipher c- gibberish d- tamper

27 - Which of the following statements matched with the word "tenets" ?

- a- Meaningless data. b- Convert to meaningless data.
c- Principal features. d- Person pretending to be someone else.

28- Hackers try toPasswords so they can penetrate a system.

- a- break into b- hack into c- get into d- log into

29- Which of the following words matched with the word "polymorphism"?

- a- An OOP property that enables different objects to deal with the same instruction in different ways.
b- Objects Oriented-Programming.
c- A list of choices.
d- A reusable collection of objects.

30- Impose is a synonym for

- a- compel b- prone c- intrude d- prophetic

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1. Match the words in column A with the words of statements in column B. (0.5 mark)

A

1. Gateway
2. POP
3. HTML
4. Gibberish
5. Multimedia
6. Broadband

B

- a. An example of a page presentation language.
- b. Meaningless data.
- c. A device for connecting dissimilar networks.
- d. A combination of text with sound, video, animation and graphics.
- e. A message protocol that downloads all Email messages at the same time.
- f. High capacity internet connection.

2). Complete the gap in each sentence with the correct form of the verb in the bracket. (0.5 mark)

- 1- Fiber optics is a new development in the field of(Communicate).
- 2- Computer can perform mathematical(Operate) very quickly.
- 3- Computer can do mathematical operation quickly, and..... (Reliable).
- 4- The book's chapter seems to be..... (organize) indiscriminately.
- 5- It is difficult to overcome..... (preconceive) if we are not new idea.
- 6- Here is the list of(require) courses for master's degree in Computer Science.
7. The project team Made a (require) for a new set of reference books.
8. The invention of the computer was a (magnify) achievement for mankind.

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3. Complete the following text using given words. (0.5 mark)

Source transaction..... The internet has three goals. First, the two parts engaging in a..... Don't want a third party to be to read their transmission. Some form of data ,..... is necessary to prevent this. Second, the recovery of the message should be able to..... whether someone has tampered with it in transit. This calls for a message- integrity..... Finally, both parties must know that they're..... with each other, not an impostor. This is done with Authentication.

Transaction communicating detect able encryption scheme user across

4). Match the words in column "A "with their appropriate antonyms in column B. (0.5 mark)

A	B
1. Reject	a. Infinite
2. Immovable	b. Narrow
3. Limited	c. Accept
4. Wide	d. Portable
5. Segregated	e. Integrated

5. Translate the following paragraphs into farsi (0.5 mark):

A: Speech will become a major component of user interfaces and applications will be completely redesigned to incorporate speech input. Palm-size and handheld PCs, with their cramped keyboards and basic handwriting recognition, will benefit from speech technology. .

B: Conceptually, software that supports to TCP protocol stands alone. It can work with data received through a serial port, over a packet-switched network, or from a network system like Ethernet. TCP software doesn't need to use IP or UDP, it doesn't even have to know they exist. But in practice, TCP is an integral part of the TCP /IP picture and it is most frequently used with those two protocols.