

Ақпараттық-коммуникациялық технологиялар (ағылшын тілінде)

1. The types of operating systems:

- A) Batch processing
- B) Real time
- C) Graphical
- D) Natural Language
- E) Time sharing

2. The operating system is designed to perform the following main functions:

- A) Database management
- B) Memory management
- C) Interface platform
- D) File management
- E) Natural Language
- F) Batch processing
- G) Data creating

3. In which article of the Constitution of the Republic of Kazakhstan was written “*the right to freely receive and disseminate information in any means not prohibited by law*” :

- A) Article 18
- B) Article 9
- C) Article 20
- D) Article 31
- E) Article 5

4. An open source operating system is used primarily for handheld devices:

- A) Windows 10
- B) IOS
- C) Windows 7
- D) Mac OS
- E) Android
- F) MS DOS

5. Hardware is ...

- A) set of rules how to set up the computer
- B) collection of routines that affect the application programs
- C) the physical aspect of computers, telecommunications, and other devices
- D) the lowest layers of computer
- E) the physical parts or components of a computer, such as the central processing unit, monitor

6. Menu types depending on the functions:

- A) System menu
- B) Separator
- C) Popup menu
- D) Drop-down list
- E) Graphic
- F) Text
- G) Indicator
- H) Main menu

7. The main element that organize data is:

- A) administrator
- B) system
- C) objects
- D) mining
- E) fields
- F) subject

8. Criteria by which information security threats are classified:

- A) by season
- B) by time of day
- C) by in terms of economic damage
- D) by the information security aspect
- E) by age intruders
- F) by the IS components
- G) by on the social status of intruders
- H) by geographic distribution

9. IBM's database server product is:

- A) DB2
- B) SQL Server
- C) MySQL
- D) Oracle
- E) All answers are correct

10. Cyber security is a set of tools, policies, security principles, security guarantees, risk management approaches, actions, training, insurance and technologies, which are used to protect ...

- A) information resource
- B) terminal
- C) output devices
- D) additional devices
- E) input devices

11. A little picture used to display various elements of the system, being their "wrapping", such as trash, different drives, folders, and so on, is:

- A) dialog boxes
- B) icon
- C) window
- D) menu
- E) dashboards
- F) pointer
- G) palettes
- H) buttons

12. The main functions of the operating system are:

- A) Computer resource management
- B) Creating a computer system
- C) Dialogue with the user
- D) Creation of information system
- E) Development of computer programs
- F) Running programs to execute

13. Any graphical control element that provides the user a simple way to select and move other elements is:

- A) menu
- B) palettes
- C) pointer
- D) dialog boxes
- E) window
- F) dashboards
- G) icon
- H) button

14. Input Devices

- A) dynamics
- B) processor
- C) printer
- D) a digitizer
- E) scanner
- F) monitor
- G) graphics tablet

15. IP address of computer exhibits the *following properties*:

- A) Relative
- B) Each of the 4 bytes is represented by a number from 0 to 255, separated with dots
- C) Absolute
- D) 8 bits (1 bytes) long
- E) 32 bits (4 bytes) long
- F) Unique address

16. The conversion of 101010 from binary to 8, 10 number systems is:

- A) 52
- B) 41
- C) 51
- D) 53
- E) 43
- F) 42

17. Choose the ICTs main tools:

- A) Interface
- B) Diagrams
- C) Computers
- D) Internet
- E) Study components
- F) Human Resource
- G) Satellites
- H) Case-tasks

18. The main criteria of SMART:

- A) Structer
- B) Realistic
- C) Measurable
- D) Technical
- E) Strategic

19. Secondary storage devices include:

- A) CDs, DVDs, ROM
- B) Processor registers cache
- C) Internal and external hard drives, CDs, DVDs, flash memory, USB flash drives
- D) RAM and ROM
- E) ROM
- F) RAM

20. Ethernet is a wired network technology, it has following types:

- A) Slow Ethernet
- B) Fast Ethernet Drive
- C) Ethernet
- D) Gigabit Ethernet
- E) Terabit Ethernet
- F) Slow Ethernet drive
- G) Megabit Ethernet
- H) Fast Ethernet

21. Which of them is not type of the DBMS?

- A) MySQL
- B) Microsoft Access
- C) Microsoft Word
- D) Oracle
- E) Web Application

22. Digital Signature is:

- A) A mathematical technique used to validate the authenticity and integrity of a message, software or digital document
- B) A an algorithm or hash (a number derived from a string of text) that uniquely identifies a specific virus
- C) The fingerprint of a virus
- D) A specific technical implementation of an electronic signature, involving cryptographic techniques using signature keys associated to the signatory
- E) A string of characters or numbers that makes up the signature that anti-virus programs are designed to detect
- F) A process that guarantees that the contents of a message have not been altered in transit

23. Operating System:

- A) connects segments and networks
- B) protects documents from attacks
- C) allocates computer resources
- D) controls computer work
- E) encrypts and decrypts information
- F) plans usage of resources

24. A rent service of virtual servers, which is a cost-effective way to provide modern and efficient enterprise computing resources:

- A) SECaaS
- B) PaaS
- C) HaaS
- D) WaaS
- E) DaaS
- F) SaaS
- G) IaaS

25. Artificial neural network is:

- A) An information processing paradigm that is inspired by the way biological nervous systems, such as the brain, process information
- B) A collection of computers, servers, mainframes, network devices, peripherals, or other devices connected to one another to allow the sharing of data
- C) A series of algorithms that endeavors to recognize underlying relationships in a set of data through a process that mimics the way the human brain operate
- D) A group of two or more devices that can communicate
- E) All answers are correct