



Английский язык в профессиональной деятельности.oi(dor_БАК(1/2)_221201_ПивЭ, Б-И, МОиАИС) (1/2)

- 1 The slide rule in its basic form uses ... logarithmic scales to allow fast multiplication and division of numbers
- 2 Burroughs converted to electronic desk ... and in the mid to late 1970s their products dropped from the market
- 3 In 1936, Alan Turing invented a universal machine, which was later called ...
- 4 The first recognized use of the word "computer" was from ...
- 5 The explosion in world population and the rise of globalised trade demanded even faster and more flexible tools for processing ...
- 6 A general-purpose computing device called the analytical engine was developed in 1837 by ...
- 7 The ... is a small-scale special-purpose electronic digital machine for the solution of systems of linear algebraic equations and the first electronic computer incorporating vacuum tubes for digital computation
- 8 ... are made for program logic and for computer memory
- 9 Open the brackets, put the verb in the correct form in sentence: "The power of computers (double) ... roughly every 18 months to 2 years since the 1960s"
- 10 Open the brackets, put the verb in the correct form in sentence: "What will the computers of the future (look) ... like?"
- 11 Open the brackets, put the verb in the correct form in sentence: "Displays (attain) ... VGA resolution by 1988, and 256-color screens were available by 1993"
- 12 Open the brackets, put the verb in the correct form in sentence: "Resolutions and colors of computers (progress) ... quickly by 2022"
- 13 Open the brackets, put the verb in the correct form in sentence: "Years ago this service (can) ... be used to run algorithms and experiments, and explore tutorials and simulations around what might be possible with quantum computing"





- 14) Open the brackets, put the verb in the correct form in sentence: "Around the same period Intel (create) ... three microprocessor designs"
- 15) Open the brackets, put the verb in the correct form in sentence: "The microchip which (be) ... a key component in the development of the personal computer"
- 16) Open the brackets, put the verb in the correct form in sentence: "In 1944 Howard Aiken (develop) ... Mark I that could perform calculations involving large numbers"
- 17) Match machines to their characteristics:
- 18) Match computers to their characteristics:
- 19) Arrange the computers in chronological order of their creation:
- 20) Arrange the computers in chronological order of their creation:
- 21) The description of a type of microcomputer is down below: "This type of microcomputer is just like a Mobile Device, but bigger than Smartphone and smaller than Notebook Computer. Just like Totally Smartphone feature like Touch screen display, power full Battery Backup and we can calling and receiving call and click pictures and anything". Find out, what kind of microcomputer it is.
- 22) The term "information..." refers to the social, economic, technological, and cultural changes that have occurred as a result of the rapid development and extensive use of information and communication technologies
- 23) Speaking about the development of the information society in Russia, I. N. Kurnosov writes that "the strategy for the formation of the information society in the transition period to a new system of property relations ... take into account the special role and responsibility of the state"
- 24) The information society is established in those countries - ... - in which a post-industrial society was formed in the 60s and 70s
- 25) The network can serve as a means of ... propaganda materials of criminal organizations, recipes for the manufacture of explosives and poisonous substances, weapons, narcotic and psychotropic drugs, and methods for breaking electronic and other ciphers
- 26) One of the advantages of Russia is an advantageous geographical location between trade and information and telecommunication flows ...





- 27) It ... be noted that the problem of inequality in access to new information technologies is acute not only at the international level, but also at the micro level within each individual state
- 28) The term “developed post-industrial society” was introduced by ...
- 29) The largest number of internet users currently in ...
- 30) According to the ... criterion highlighted by W. Martin, the main characteristics of the information society are information technology, which is widely used in production, institutions, the education system and in everyday life
- 31) The total value of goods and services produced by a country in one year is ... (give the abbreviation)
- 32) Information ... must be viewed from two perspectives: as an independent industry, with its science, engineering, and manufacturing capabilities and as a basis for transformation of almost all areas of human activity
- 33) A system of consumption and production that is based on intellectual capital is ... economy
- 34) The unfair situation in society when some people have more opportunities, money, etc. than other people, is called ...
- 35) The “information economy” and “post-industrial society”, two concepts from that period, are still key parts of the information ... concept
- 36) The stage of society’s development when the service sector generates more wealth than the manufacturing sector of the economy is called ... society
- 37) A process of spreading the use of digital technology such as computers and the internet to do something is called ...
- 38) Match the main characteristics of the information society according to the following criteria by W. Martin:
- 39) Match the sentence with the time it was written:
- 40) Put the number of Internet users worldwide from the largest to the smallest:





- 41) According to the research company comScore Networks in 2019, the number of Internet users worldwide amounted to 747 million people. The United States has the largest audience of Internet users – 153.4 million people, that is, almost every second American regularly goes online. In second place is China – in China today 86.8 million Internet users. Russia still occupies 13th place in terms of the number of people connected to the Network – 12.7 million people. However, Africa with 800 million people accounts for only 1 % of the total number of its users in the world, with 90 % of them living in South Africa. Identify the type of information society problem in the above case study.
- 42) The last decade's technological advancements have played a ... part in the formation of modern society
- 43) The development of integrated circuits and storage devices has continued at an exponential rate; each subsequent halving of component size now takes ...
- 44) Nanoelectronics is the most ... breakthrough in technical development
- 45) The early transistors were not only larger than the smallest tubes, but they were also more ...
- 46) The transistor's most significant advantage over the best vacuum tubes was that it consumed far ...
- 47) The introduction of microelectronic circuits did not, for the most part, modify the ... of the basic functional units: transistors, resistors, capacitors, and other similar components were still used in microelectronic devices
- 48) Bell Telephone Laboratories' John Bardeen, Walter H. Brattain, and William Shockley devised the bipolar transistor in ...
- 49) ... integrated circuits are the name for the initial generations of commercially produced microelectronic devices (SSI)
- 50) The advent of ways for creating the numerous functional units on a crystal of semiconductor materials was critical to the development of ...
- 51) Charge carriers from both polarities are involved in the operation of ... transistors
- 52) The metal-oxide-semiconductor field-effect ..., which stands for MOSFET, is the most common in microelectronics
- 53) Prior to the transistor's discovery in 1947, the only way to execute its function in an electronic circuit was to use a ... tube
- 54) Bell Telephone Laboratories' John Bardeen, Walter H. Brattain, and William Shockley devised the ... transistor in 1948





- 55 “Molecular ...” is a term for data storage technologies that use molecular species as the data storage element, rather than e.g. circuits, magnetics, inorganic materials or physical shapes
- 56 Medium-scale integrated circuits have more than around 10 ... on a chip but fewer than approximately 200 (MSI)
- 57 Match the abbreviations and transcripts:
- 58 Match the parts of one sentence:
- 59 Match the parts of one sentence:
- 60 Match the highlighted words with their meaning in the sentence:
- 61 Arrange the stages in the history of transistors in chronological order:
- 62 Below is a description of one of the technologies: “It is a subfield of electronics. These devices are typically made from semiconductor materials. These include transistors, capacitors, inductors, resistors, diodes and (naturally) insulators and conductors. As a result, this kind of IT has the potential to lower skill requirements in some vocations while raising them in others. It has influenced our daily lives in a variety of ways, making our routines a little more pleasant”. Which technology is described in the text?

