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Оценочные материалы для промежуточной аттестации по дисциплине

Иностранный язык

Код, направление подготовки	11.03.02 Инфокоммуникационные технологии и системы связи
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Форма обучения	очная
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Выпускающая кафедра	радиоэлектроники и электроэнергетики

Типовые задания для контрольной работы:

Семестр 1

Контрольная работа №1

1. Put the verb in the correct form (Present Simple or Present Continuous).

- 1) The lecturer usually _____ (give) lectures every Monday morning.
- 2) Right now, the students _____ (compete) in the sports facilities.
- 3) Our university _____ (comprise) several educational buildings and a research library.
- 4) The postgraduate students _____ (work) on their theses this semester.
- 5) Every semester, the academic staff _____ (establish) new courses to improve students' skills.
- 6) The Associate Professor _____ (work) in the laboratory every day to conduct scientific research.
- 7) _____ the university _____ (take place) in any international rankings this year?
- 8) The students _____ (not / read) books in the reading hall now; they _____ (attend) a seminar.
- 9) The Education Plan _____ (include) many interesting activities for creative personal development.
- 10) Is your friend _____ (study) for her Master's Degree while also _____ (participate) in extracurricular activities?

2. Read the text. Choose the correct form of the verb (Past Simple, Past Continuous or Present Perfect)

Last year, the scientists 1) _____ (discovered / have discovered / were discovering) a new method to improve renewable energy sources. During the experiment, they 2) _____ (observed / were observing / have observed) the reactions very carefully to understand the process better. While the team 3) _____ (was working / worked / have worked) late in the laboratory, unexpected results 4) _____ (appeared / were appearing / have appeared). Since then, the researchers 5) _____ (have conducted / conducted / were conducting) several additional studies to confirm their findings.

In the past decade, science 6) _____ (made / has made / was making) significant progress in many fields, including medicine and environmental studies. Scientists 7) _____ (developed / have developed / were developing) vaccines that have saved millions of lives. Last month, a famous biologist 8) _____ (gave / has given / was giving) a lecture about recent advancements in genetics. While the audience 9) _____ (listened / was listening / has listened) attentively, the lecturer 10) _____ (showed / was showing / has shown) impressive visuals.

3. Read the text and choose the correct answer.

Jobs in Information Communication Technologies

The ICT sector is rapidly expanding, and many new job opportunities will emerge soon. Companies are going to hire more network engineers, telecommunications specialists, and cybersecurity professionals to meet increasing demands. I am starting a course in network administration this fall because I am going to work as a network engineer after graduation.

Next year, many professionals will work on the development of 5G technology as the demand for faster and more reliable communication grows. The sector is also planning to implement advanced IoT (Internet of Things) systems that will help improve connectivity. People skilled in network security and cloud communications will definitely have better career prospects.

My friend Alex is meeting with a recruiter next week. He is going to apply for a job as a telecommunications analyst. The ICT job market is very competitive, but those who continue to upgrade their skills will succeed and find great opportunities.

1. What will companies do in the near future?

- a) Lay off many network specialists
- b) Hire more network engineers, telecommunications specialists, and cybersecurity professionals
- c) Stop investing in new communication technologies

2. Why is the author starting a course in network administration?

- a) To become a telecommunications analyst
- b) To work as a network engineer after graduation
- c) To switch to software development

3. What is true about the ICT job market according to the text?

- a) It is very competitive, but people who improve their skills will succeed
- b) It has no new job openings
- c) It only offers jobs in IoT devices

4. Match the words on the left with their correct definitions on the right.

Words:	Definitions:
1) Network engineer	a) Protects networks and systems from cyber attacks and unauthorized access.
2) Cybersecurity expert	b) Designs, implements, and maintains computer networks and communication systems.
3) Telecommunications analyst	c) Works on developing and managing Internet of Things devices and their connectivity.
4) IoT specialist	d) Analyzes and optimizes telecommunication networks and services.
5) Remote work	e) Work performed outside the office, usually from home via the internet.

5. Choose the correct future form.

1. The telecom department _____ (will launch / is going to launch) the new 5G network next year.
2. He _____ (is meeting / will meet) with a recruiter tomorrow to discuss job opportunities.
3. Many telecom engineers _____ (will work / are working) remotely in the near future.

4. I believe 5G technology _____ (will revolutionize / is going to revolutionize) the telecommunications industry.

Ключи:

1.

- | | |
|------------------|------------------------------------|
| 1) gives | 6) works |
| 2) are competing | 7) Does ... take place |
| 3) comprises | 8) are not reading / are attending |
| 4) are working | 9) includes |
| 5) establish | 10) studying / participating |

2.

- | | |
|-------------------|-------------------|
| 1) discovered | 6) has made |
| 2) were observing | 7) have developed |
| 3) was working | 8) gave |
| 4) appeared | 9) was listening |
| 5) have conducted | 10) was showing |

3. 1. b; 2. b; 3. a

4. 1. b; 2. a; 3. d; 4. c; 5. e;

5. 1. is going to launch 2. is meeting 3. will work 4. will revolutionize

Семестр 2

Контрольная работа №2

1. Complete the sentences using the correct pronoun.

they, it, her, his, themselves, this, mine, those, us, their, me, them, its, that, these

- 1) This new smartphone is very advanced. Have you seen _____?
- 2) The device is portable, but sometimes I prefer to use my laptop because it is more convenient for ____.
- 3) The scientists in the molecular biology lab did the experiment _____ to ensure accuracy.
- 4) The new aircraft has advanced satnav/GPS systems. _____ help pilots find their way easily.
- 5) We sent the data to the main server. Please let __ know if there are any problems.
- 6) The company updated _____ software last week to fix bugs.
- 7) The engineers examined the clones carefully because some of _____ showed unexpected traits.
- 8) The developers themselves programmed the AI. They are very proud of ____ work.
- 9) Tom showed me _____ new laptop. It's very fast.
- 10) Maria updated _____ smartphone yesterday because the old one stopped working.
- 11) Look at _____ satellites in the image. They help with global communication.
- 12) _____ device here is designed for people with limited mobility.
- 13) _____ vehicle over there is the latest electric model from a leading manufacturer.
- 14) I found this app very useful, but _____ is better because it has more features.

2. Choose the correct preposition

- 1) The city centre is very crowded, especially (at / in / on) weekends.
- 2) It is difficult to find a parking space (at/ on / in) the shopping mall during busy hours.
- 3) Urban planners try to reduce pollution (at/ on / in) cities by creating more green zones.
- 4) The nightlife is lively (at/ on / in) Fridays and Saturdays, attracting many visitors.
- 5) The cost of living affects many families, especially (at/ on / in) big metropolitan areas.
- 6) Overpopulation causes heavy traffic (at/ on / in) main roads in the city.
- 7) She went (to / in / for) the supermarket to buy groceries before dinner.
- 8) The concert will start (at/ in / on) 7 PM sharp.
- 9) Many people feel stressed (at/ in/ on) Monday mornings.
- 10) We usually have meetings (at/ in/ on) the afternoon.
- 11) She was born (at/ in/ on) July 15th, 1990.
- 12) I like to relax and chill out (at/ in/ on) weekends.
- 13) The traffic is always bad (at/ in/ on) rush hour.
- 14) Our office closes early (at/ in/ on) Fridays.
- 15) The city organizes cultural activities (at/ in/ on) the summer.
- 16) The pedestrian walked (across / through / above) the busy street to get to the park.
- 17) The car drove (across / through / around) the tunnel to avoid traffic lights.
- 18) She climbed (up / into / down) the hill to enjoy the view of the city.
- 19) People moved (in / on / around) the crowded marketplace looking for fresh food.
- 20) The cyclist rode (along / off / between) the riverbank enjoying the scenery.
- 21) The dog jumped (over / past/ behind) the fence to chase a squirrel.
- 22) The train passed (past / off / from) the station without stopping.

3. Choose the correct option.

- 1) There is (a / some / many) pollution in the city because of cars and factories.
- 2) We should plant some trees to help reduce (the / a / an) effects of climate change.
- 3) There isn't (many / much / some) water pollution in this river, so it's safe for fish.
- 4) Many people support (many / much / any) environmentally friendly products to protect the planet.
- 5) The polar ice caps are melting because of (a / an / the) global warming.
- 6) There is only (little / few / much) clean air left in some parts of the world.
- 7) We don't have (any / some / no) energy-efficient appliances at home yet.
- 8) We need to reduce (the / much / little) carbon footprint to slow down global warming.
- 9) There is too (the / much / little) smog in big cities, which affects people's health.
- 10) The government introduced (some / any/ much) ecological policies to save energy and recycle waste.
- 11) There are only (a few / a little / little) animals left in the wild because many species are extinct.
- 12) It takes (a few / a little / little) effort to save energy, but the results are worth it.

4. Read the letter and fill in the gaps with the following expressions:

I am confident / I am writing to / Yours sincerely / I hope / I look forward to / Thank you for

Dear Mr. Williams,

1) _____ this message finds you well. 2) _____ express my interest in the network engineer position advertised on your company's website. With my background in telecommunications and network infrastructure, I believe I possess the skills and enthusiasm to contribute effectively to your team.

I have 5 years of experience in designing and managing data communication networks. I am particularly drawn to your company because of its commitment to innovation in 5G and IoT technologies.

3) _____ that my technical expertise and problem-solving skills make me a strong candidate for this role. I am eager to bring my knowledge of network security and my proactive approach to your organization.

4) _____ considering my application. 5) _____ the opportunity to discuss how I can contribute to your team.

Linda F. Scott

5. Choose the correct answer.

1) What position is Linda applying for?

- a) Network engineer
- b) Software developer
- c) Hardware technician
- d) IT support specialist

2) Why is Linda particularly interested in this company?

- a) Because it is a global company
- b) Because it offers the highest salaries
- c) Because of its innovation in 5G and IoT technologies
- d) Because it works in software development

3) What skills and experience does Linda mention in her letter?

- a) Experience in customer service
- b) Experience in graphic design and marketing
- c) Knowledge of cloud computing and database management
- d) Experience in designing and managing data communication networks

6. Put the adjective / adverb in the correct form (positive, comparative, superlative).

- 1) Effective communication skills are (important) than technical knowledge in customer service.
- 2) This report is (detailed) than the one we submitted last month.
- 3) Our new manager responds to emails (quickly) than his predecessor.
- 4) The meeting room on the second floor is (quiet) than the one near the entrance.
- 5) To improve productivity, employees should communicate as (clearly) as possible.
- 6) Among all candidates, she gave the (professional) presentation.
- 7) The new software makes communication (efficient) by integrating all messages in one place.
- 8) In stressful situations, speaking (calmly) helps avoid misunderstandings.
- 9) Our team works (closely) with the marketing department than before.
- 10) The client was (satisfied) with our service yesterday than last year.

Ключи:

1.

1) it

2) me

3) themselves

- 4) they
- 5) us
- 6) its
- 7) them

- 8) their
- 9) his
- 10) her

- 11) these
- 12) this
- 13) that
- 14) mine

2.

- 1) on
- 2) at
- 3) in
- 4) on
- 5) in
- 6) on
- 7) to
- 8) at

- 9) on
- 10) in
- 11) on
- 12) on
- 13) at
- 14) on
- 15) in
- 16) across

- 17) through
- 18) up
- 19) around
- 20) along
- 21) over
- 22) past

3.

- 1) some
- 2) the
- 3) much
- 4) many

- 5) the
- 6) little
- 7) any
- 8) the

- 9) much
- 10) some
- 11) a few
- 12) a little

4.

- 1) I hope
- 2) I am writing to
- 3) I am confident

- 4) Thank you for
- 5) I look forward to
- 6) Yours sincerely

5.

1. a) 2. c) 3. d)

6.

- 1) more important
- 2) more detailed
- 3) more quickly
- 4) quieter
- 5) clearly

- 6) most professional
- 7) more efficient
- 8) calmly / more calmly
- 9) more closely
- 10) more satisfied

Семестр 3

Контрольная работа №3

1. Put the verbs in the correct form of passive voice.

- 1) The new bridge _____ (design) by a team of civil engineers last year.
- 2) Advanced materials _____ (use) in the construction of this building.
- 3) The prototype _____ (test) right now in the laboratory.
- 4) Safety standards _____ (update) regularly to protect workers.
- 5) The software _____ (develop) by the engineering department at the moment.
- 6) The machines _____ (repair) yesterday after the inspection.
- 7) The blueprints _____ (finalize) before the project started.
- 8) The renewable energy system _____ (install) next month.
- 9) Several new patents _____ (file) in recent years by the company.

- 10) The technical documentation _____ (prepare) by the engineering team every week.
- 11) The factory _____ (expand) now to increase production capacity.
- 12) The design _____ (approve) by the project manager last week.
- 13) The equipment _____ (clean) regularly to ensure safe operation.
- 14) The solar panels _____ (produce) in the factory since 2015.
- 15) The environmental impact of the project _____ (evaluate) by specialists currently.

2. Choose the correct modal verbs.

- 1) You (can / need / have) solve this equation by applying the quadratic formula.
- 2) Students (may / should / ought) check their answers carefully to avoid mistakes.
- 3) To pass the exam, you (must / can / would) study algebra and geometry thoroughly.
- 4) Advanced mathematics (might / ought / need) require a strong understanding of basic concepts.
- 5) You (must not / need not / have not) use a calculator during the test unless the teacher allows it.
- 6) Solving complex problems (must / can / should) help improve your critical thinking skills.
- 7) You (need / must / can) to practice solving equations every day to improve your skills.
- 8) Students (need / may / have to) submit their homework by Friday without exceptions.
- 9) If you want to understand calculus better, you (must / ought / should) to review your notes regularly.

3. Use the correct numeral (cardinal or ordinal).

- 1) She finished _____ (3) in the mathematics competition.
- 2) There are _____ (7) students in our study group.
- 3) The report was completed on the _____ (1) of May.
- 4) We solved _____ (5) problems during the lesson.
- 5) This is the _____ (10) chapter of the textbook.
- 6) He answered correctly to _____ (2) out of three questions.
- 7) Our professor has taught at the university for the _____ (10) year.
- 8) They collected _____ (35) data samples for the experiment.
- 9) The _____ (2) exercise was more difficult than the first.
- 10) I need _____ (1) more example to understand this theorem.

4. Read the text. Put the verbs in present perfect or present perfect continuous.

The Uses of Computers

Computers 1) (transform) many aspects of our lives, and their uses (expand) greatly over the years. People 3) (rely) on computers for work, education, communication, and entertainment. In many industries, computers 4) (increase) productivity by automating complex tasks and managing vast amounts of data. For instance, businesses 5) (use) computer programs to improve customer service and streamline operations.

Over the past decade, schools and universities 6) (incorporate) computer technology into their teaching methods. Teachers 7) (use) interactive software and online resources to enhance student learning. Additionally, many students 8) (complete) assignments and research using computers more than ever before.

In recent years, individuals 9) (use) computers continuously for remote work and virtual meetings, especially due to global changes in work culture. Moreover, scientists 10) (use) computers to analyze data and run simulations that 11) (advance) research in medicine, environmental science, and engineering. Overall, computers 12) (become) indispensable tools that 13) (reshape) how we live and work.

5. Choose the correct answer.

- 1) How have computers increased productivity in many industries?
 - a) By automating complex tasks and managing data
 - b) By replacing workers completely
 - c) By avoiding the use of technology
 - d) By limiting customer service

- 2) What role have computers played in education according to the text?
 - a) Teachers have stopped using computers
 - b) Teachers have been using interactive software and online resources
 - c) Students avoid using computers for assignments
 - d) Schools have banned all computer use

- 3) Which of the following is NOT mentioned as a use of computers in the text?
 - a) Remote work and virtual meetings
 - b) Data analysis and scientific simulations
 - c) Playing video games exclusively
 - d) Enhancing customer service

Ключи:

1.

- | | | |
|-----------------------|----------------------|------------------------|
| 1. was designed | 6. were repaired | 11. is being expanded |
| 2. are used | 7. were finalized | 12. was approved |
| 3. is being tested | 8. will be installed | 13. is cleaned |
| 4. are updated | 9. have been filed | 14. have been produced |
| 5. is being developed | 10. is prepared | 15. is being evaluated |

2.

- | | |
|----------------------|------------|
| 1. can | 6. can |
| 2. should | 7. need |
| 3. must | 8. have to |
| 4. might | 9. ought |
| 5. must not / cannot | |

3.

- | | |
|----------|----------------|
| 1) third | 6) two |
| 2) seven | 7) tenth |
| 3) first | 8) thirty-five |
| 4) five | 9) second |
| 5) tenth | 10) one |

4.

- | | |
|--------------------------------|-------------------------|
| 1) have transformed | 8) have been completing |
| 2) have expanded | 9) have been using |
| 3) have relied | 10) have used |
| 4) have increased | 11) have advanced |
| 5) have used / have been using | 12) have become |
| 6) have incorporated | 13) have reshaped |
| 7) have been using | |

5.

- 1) a) 2) b) 3) c)

Семестр 4

Контрольная работа №4

1. Put the verb in the correct form (Past Simple, Past Perfect or Past Perfect Continuous).

- 1) By the time the engineers _____ (arrive), the robot _____ (complete) its first task.
- 2) The company _____ (install) new automated systems before the production line _____ (shut down).
- 3) We _____ (test) the robotic arm for three hours when the power suddenly (go) out.
- 4) After the automation process _____ (start), the factory workers _____ (notice) an increase in efficiency.
- 5) The team _____ (develop) the software for months before they _____ (launch) the new robot.
- 6) When the manager _____ (check) the results, the machine already _____ (perform) hundreds of operations successfully.
- 7) The engineers _____ (work) on optimization before the robot _____ (break down).
- 8) By the time the technician _____ (arrive), the system _____ (already / fail) twice.
- 9) The robot _____ (complete) the assembly task when the supervisor _____ (call) for a review.
- 10) They _____ (upgrade) the control system just before the inspection _____ (begin).
- 11) While the robot _____ (operate), the developers _____ (make) adjustments to improve accuracy.
- 12) Before they _____ (receive) the new equipment, they _____ (use) the old machinery for years.
- 13) The automated process _____ (run) smoothly until the software bug _____ (cause) an error.
- 14) After the team _____ (install) the sensors, the robot _____ (start) detecting faults more precisely.
- 15) The engineer was explaining the system when the alarm suddenly _____ (go off).

2. Put the verb in the correct form to make conditional sentences.

- 1) You will get injured if you _____ (not/wear) protective equipment.
- 2) If the company provides proper training, workers _____ (work) more safely.
- 3) If workers _____ (use) hazardous materials incorrectly, they risk their health.
- 4) If the safety protocols were stricter, fewer injuries _____ (happen).
- 5) We _____ (improve) workplace safety if we had invested in better equipment last year.
- 6) If the company provided better safety equipment, the workers (feel) more protected.
- 7) If employees (wear) safety gear regularly, the number of workplace injuries would decrease.
- 8) If the management (conduct) safety training earlier, many accidents would have been prevented.
- 9) If the hazardous waste had been disposed of correctly, the contamination (not happen).

3. Choose the correct form (gerund or infinitive).

- 1) The team decided (start / to start / starting) the project next week.
- 2) She suggested (use / to use / using) agile methodology for better flexibility.
- 3) They plan (complete / to complete / completing) the initial phase by the end of the month.
- 4) Risk management involves (identify/ to identify / identifying) potential problems early.
- 5) He promised (provide / to provide / providing) all necessary resources for the project.
- 6) The project manager avoids (delegate / to delegate / delegating) tasks without clear instructions.
- 7) They made us (finish / to finish / finishing) the testing before the deadline.
- 8) (Communicate / To communicate / Communicating) effectively is essential for successful project management.
- 9) The team postponed (make / to make / making) a final decision until next week.
- 10) We aim (improve / to improve / improving) stakeholder engagement throughout the project.
- 11) She is good at (resolve / to resolve / resolving) conflicts within the team.
- 12) It's important (monitor / to monitor / monitoring) progress regularly.
- 13) The company agreed (invest / to invest / investing) more in training project managers.
- 14) He doesn't mind (work / to work / working) overtime when the deadline is near.
- 15) We let them (focus / to focus / focusing) on the critical tasks to meet our goals.

4. Fill in the gaps with the participles

allowing, ensuring, faced, having, identifying, meeting, motivating, providing, requiring

Project Management in ICT

Managing projects in the ICT industry requires a combination of technical expertise and strong leadership skills. 1) _____ a detailed project plan, managers can direct their teams effectively. Agile and scrum methods are popular, 2) _____ teams to respond quickly to new challenges. 3) _____ with strict deadlines and complex system requirements, managers must allocate resources carefully.

Communication is vital, 4) _____ that all team members and stakeholders remain updated throughout the project. Potential risks are common, so 5) _____ early identification of issues helps prevent larger problems. Many projects involve integrating various communication systems, 6) _____ continuous testing and improvements.

Clients expect transparency, 7) _____ clear reporting and accountability. By 8) _____ and encouraging their teams, project leaders can overcome difficulties. Overall, successful project management results in delivering innovative and reliable ICT solutions, 9) _____ customer demands and industry standards.

5. Decide if the statements are true or false according to the text.

- 1) Project managers in ICT do not need technical knowledge to manage teams efficiently.
- 2) Agile methodologies help teams adjust quickly to changing requirements.
- 3) Communication is less important in ICT project management.
- 4) Identifying potential risks early can reduce their negative effects.

Ключи:

1.

- | | |
|-----------------------------------|---------------------------------|
| 1) arrived / had completed | 9) had completed / called |
| 2) had installed / shut down | 10) had upgraded / began |
| 3) had been testing / went | 11) was operating / were making |
| 4) had started / noticed | 12) received / had used |
| 5) had been developing / launched | 13) had been running / caused |
| 6) checked / had performed | 14) had installed / started |
| 7) had been working / broke down | 15) went off |
| 8) arrived / had already failed | |

2.

- | | |
|------------------------|---------------------------|
| 1) don't wear | 6) would feel |
| 2) will work / work | 7) wore |
| 3) use | 8) had conducted |
| 4) would happen | 9) wouldn't have happened |
| 5) would have improved | |

3.

- | | |
|------------------|----------------|
| 1) to start | 9) making |
| 2) using | 10) to improve |
| 3) to complete | 11) resolving |
| 4) identifying | 12) to monitor |
| 5) to provide | 13) to invest |
| 6) delegating | 14) working |
| 7) finish | 15) focus |
| 8) Communicating | |

4.

- | | |
|----------------|---------------|
| 1) having | 6) requiring |
| 2) allowing | 7) providing |
| 3) faced | 8) motivating |
| 4) ensuring | 9) meeting |
| 5) identifying | |

5. 1) false 2) true 3) false 4) true

Семестр 5

Контрольная работа № 5

1. Read the article. Choose the best word (A, B or C) for each space (1–8).

History of Telecommunication Networks

The history of telecommunication networks dates back to ancient times, with early methods of long-distance communication such as smoke signals, drum beats, and messenger systems. The modern era of telecommunication began in the 19th century with the invention of the electric telegraph by Samuel Morse in the 1830s. This innovation allowed messages to be transmitted quickly over long distances using coded electrical signals. The development of the telephone by Alexander Graham Bell in 1876 revolutionized communication, enabling real-time voice conversations across cities and countries.

In the early 20th century, the introduction of radio technology further expanded communication possibilities, allowing wireless transmission of signals. The mid-20th century saw the rise of satellite communication, with the launch of the first artificial satellites like Sputnik in 1957, which paved the way for global broadcasting and data transfer.

The emergence of the internet in the late 20th century marked a significant milestone, transforming telecommunication networks into interconnected digital systems. Today, modern networks include fiber-optic cables, wireless technologies like 4G and 5G, and satellite systems, providing fast, reliable, and global connectivity. The evolution of telecommunication networks continues to advance rapidly, shaping how people communicate, share information, and conduct business worldwide.

1. In ancient times, methods like smoke signals and drum beats were used for _____ communication.

2. The invention of the electric telegraph by Samuel Morse in the 1830s allowed messages to be transmitted quickly using _____ signals.

3. Alexander Graham Bell invented the _____ in 1876, enabling real-time voice conversations.

4. The development of _____ technology in the early 20th century made wireless communication possible.

he launch of _____ like Sputnik in 1957 marked the beginning of satellite communication.

he rise of the _____ in the late 20th century transformed communication into interconnected digital systems.

oday, modern telecommunication networks include fiber-optic cables and _____ technologies like 4G and 5G.

he evolution of telecommunication networks highlights human _____ and technological progress.

2. Put the verb in the correct form.

1. In the 19th century, Samuel Morse (**invent**) the electric telegraph before the development of other communication methods.
2. Alexander Graham Bell (**develop**) the telephone in 1876, and it (**revolutionize**) communication worldwide.
3. By the mid-20th century, radio technology (**be**) widely used for wireless communication, and it (**enable**) people to send messages without wires.
4. Satellite communication (**begin**) in the late 1950s, and since then it (**connect**) different parts of the world through space-based systems.
5. Today, modern telecommunication networks (**include**) fiber-optic cables and wireless technologies that (**provide**) high-speed internet access globally.

3. Translate the sentences into Russian.

1. The invention of the electric telegraph in the 19th century revolutionized long-distance communication.
2. Alexander Graham Bell's development of the telephone marked a significant milestone in telecommunications history.
3. The introduction of radio technology enabled wireless transmission of messages, making communication more accessible.
4. Satellite technology has expanded global connectivity, allowing instant communication across continents.

5. Modern telecommunication networks rely on fiber-optic cables to transmit data at extremely high speeds.

4. Prepare a written summary of the text in Task 1.

Ключи:

1.

1. A. long-distance

2. B. coded electrical

3. B. telephone

4. B. radio

5. A. satellites

6. A. internet

7. B. wireless

8. B. ingenuity

2.

1. had invented

2. developed, revolutionized

3. was, enabled

4. began, has connected

i

n

c

Семестр 6

u

Контрольная работа № 6

d

1. Read the article. Choose the best answer for each question (1–8).

Modern Communication Systems
provide

In today's digital age, communication systems have evolved dramatically, enabling people to connect instantly across the globe. One of the most widespread modern systems is the internet, which provides a platform for email, social media, video conferencing, and instant messaging. These tools have transformed how individuals and businesses communicate, making interactions faster and more efficient.

Wireless communication is another key development, including mobile networks such as 4G and 5G. These technologies allow users to access the internet and make calls without the need for physical wires, providing mobility and convenience. Smartphones, in particular, have become essential devices for communication, combining voice calls, messaging, and internet browsing in one gadget.

Satellite communication also plays an important role, especially in remote areas where terrestrial infrastructure is limited. Satellites enable global broadcasting, navigation, and emergency communication. Additionally, fiber-optic networks have revolutionized data transmission by offering high-speed, high-capacity connections for internet service providers and large organizations.

Overall, modern communication systems continue to develop rapidly, integrating new technologies like IoT and artificial intelligence, making global connectivity more seamless and accessible than ever before.

1. Choose the correct answer:
What is one of the main features of modern wireless communication?
 - a) It requires physical cables for all connections.
 - b) It enables mobile access to the internet and calls.
 - c) It is only used for military purposes.
 - d) It relies solely on satellite technology.
2. Select the statement that is true:
Smartphones are devices that combine:
 - a) Only voice calling capabilities.
 - b) Voice calls, messaging, and internet browsing.
 - c) Only camera and music functions.
 - d) Only GPS navigation.
3. Which technology is primarily used for high-speed data transmission in modern networks?
 - a) Copper wires
 - b) Fiber-optic cables
 - c) Radio waves
 - d) Mechanical gears
4. What role do satellites play in modern communication?
 - a) They are used only for weather forecasting.
 - b) They support global broadcasting, navigation, and emergency services.
 - c) They are outdated and no longer used.
 - d) They only provide internet in urban areas.
5. Which emerging technologies are being integrated into modern communication systems?
 - a) Mechanical calculators and analog radios
 - b) Internet of Things (IoT) and artificial intelligence
 - c) Steam engines and coal-powered devices
 - d) Traditional landline phones only
6. Why are modern communication systems important today?
 - a) They slow down global connectivity.
 - b) They enable instant, seamless communication worldwide.
 - c) They are only used in entertainment industries.
 - d) They are being replaced by postal services.

7. Which of the following is NOT a characteristic of fiber-optic networks?
 - a) High-speed data transmission
 - b) High capacity for data
 - c) Limited to short distances only
 - d) Use of light signals for communication

8. How has the development of 4G and 5G networks impacted communication?
 - a) It has decreased internet speeds.
 - b) It has enhanced mobile internet access and connectivity.
 - c) It has replaced all satellite communication.
 - d) It has limited the use of smartphones.

2. Change the sentences with direct speech into reported speech.

1. He said, "Wireless networks allow us to stay connected anywhere in the world."
2. The engineer said, "I can increase data transfer speeds with new fiber-optic technologies."
3. She said, "Modern smartphones combine voice calls, internet access, and multimedia functions."
4. He asked, "Can you explain how satellite communication works?"
5. The student asked, "Please explain how 5G networks operate."

3. Match the sentences to make a dialogue.

<p>1) Engineer 1: Hi! Have you been working on the new communication system for our project? ____</p> <p>2) Engineer 1: That's impressive! Are you also considering satellite communication options for remote areas? ____</p> <p>3) Engineer 1: Have you tested the signal quality in different environments yet? ____</p> <p>4) Engineer 1: Good plan. Are you using any specific tools for analyzing network coverage? ____</p>	<p>A. Engineer 2: Not yet, but I plan to conduct field tests to evaluate performance in urban and rural settings.</p> <p>B. Engineer 2: Yes, I've been integrating 5G technology to enhance data transfer speed and reduce latency.</p> <p>C. Engineer 2: Yes, I'm using specialized coverage mapping software to identify dead zones and optimize transmitter placement.</p> <p>D. Engineer 2: Definitely. I'm exploring how satellite links can provide reliable internet access in places where traditional networks are unavailable.</p>
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4. Translate the dialogue in Task 3 into Russian.

Ключи

1. b)
2. b)
3. b)
4. b)
5. b)

6. b)
 7. c)
 8. b)
- 2.
1. He said that wireless networks allow us to stay connected anywhere in the world.
 2. The engineer said that he could increase data transfer speeds with new fiber-optic technologies.
 3. She said that modern smartphones combine voice calls, internet access, and multimedia functions.
 4. He asked if I could explain how satellite communication works.
 5. The student asked to explain how 5G networks operate.

B

D

A

Семестр 7

Контрольная работа № 7

1. Read the article. Choose the best answer for each question (1–8).

Internet of Things (IoT)

Internet of Things (IoT) is a network of physical devices, such as household appliances, vehicles, industrial machines, and wearable gadgets, connected to the internet and capable of exchanging data. The main idea behind IoT is to make everyday objects "smart" by enabling them to collect, transmit, and analyze information automatically, without human intervention.

IoT has a wide range of applications. In homes, smart thermostats allow remote control of temperature, helping to save energy. In industry, IoT is used for monitoring equipment, preventing failures, and increasing production efficiency. In healthcare, wearable devices enable real-time health tracking of patients, improving medical care.

Despite its advantages, IoT also presents challenges, especially regarding data security and privacy. Protecting sensitive information from cyber threats is a critical concern as more devices become interconnected.

Overall, the Internet of Things promises to make our lives more convenient and efficient by creating a connected environment where devices work together intelligently. As technology advances, IoT is expected to play an increasingly vital role in transforming daily life, industry, and healthcare, making processes smarter and more responsive.

IoT refers to a network of _____ devices connected to the internet and able to exchange data.

IoT devices are equipped with _____ that collect and transmit data.

3. Which of the following is a common application of IoT in homes?
 - A. Traditional key locks
 - B. Smart thermostats and security cameras
 - C. Manual light switches
4. How does IoT improve healthcare?
 - A. By replacing doctors with robots
 - B. Through wearable devices that monitor health in real time
 - C. By increasing hospital visits
5. What is one major concern associated with IoT?
 - A. Excessive energy consumption
 - B. Data security and privacy risks
 - C. Lack of connectivity
6. In industrial settings, IoT helps by enabling _____.
 - A. manual data entry
 - B. only remote control of devices
 - C. predictive maintenance and resource management
7. Why is IoT considered to be a transformative technology?
 - A. Because it makes devices more expensive
 - B. Because it creates smarter, more connected systems
 - C. Because it replaces all human workers
8. Which of the following best describes the main benefit of IoT?
 - A. Increased manual work
 - B. Enhanced data sharing
 - C. Enhanced convenience, efficiency, and connectivity

2. Match the halves to make sentences. Translate the sentences into Russian.

<ol style="list-style-type: none"> 1. IoT devices collect data from the environment 2. Smart sensors are used to monitor industrial equipment and 3. Connected appliances in a smart home can be controlled 4. IoT technology enables real-time tracking of assets and 5. Wearable IoT devices gather health data 	<ol style="list-style-type: none"> A. to help individuals and doctors monitor wellness. B. to improve home automation systems. C. logistics in supply chain management. D. remotely through mobile apps. E. optimize maintenance schedules.
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3. Put the verb into the correct tense. Define the type of the Conditional sentence. Translate the sentences into Russian.

1. If we (develop) more advanced AI algorithms, they will automate many jobs in the future.

2. If AI (be) capable of understanding human emotions better, it could improve mental health therapies.
3. If researchers (prioritize) ethical considerations earlier, AI development would have been safer.
4. If companies adopt AI-powered chatbots, customer service (become) more efficient.
5. If we had implemented stricter regulations on AI, some potential risks (be avoided).

4. Read the text. Complete the table with the information from the text.

Remote Work

Remote work has become increasingly popular in recent years, especially with advances in technology. One of the main advantages is flexibility. Employees can often choose their working hours and work from any location, which helps improve work-life balance and reduces commuting time and costs. Additionally, remote work can increase productivity, as many people find they focus better without office distractions. It also allows companies to access a wider talent pool, as location is no longer a barrier.

However, remote work also has its disadvantages. One major challenge is the lack of social interaction, which can lead to feelings of isolation and affect team cohesion. Communication can become difficult, especially when relying solely on digital channels, leading to misunderstandings or delays. Furthermore, some employees may struggle with self-discipline and maintaining motivation without direct supervision. There are also concerns about data security and maintaining company confidentiality when working outside the office environment.

Advantages of remote work	Disadvantages of remote work
1.... ...	1.

Ключи

1. A
2. A
3. B
4. B
5. B
6. C
7. B
8. C

2. 1. B 2. E. 3. D 4.C 5.A

3. 1. Develop (1st Conditional) 2. Were (2nd Conditional) 3. had prioritized (3rd Conditional)
4. will become (1st conditional) 5. would have been avoided (3rd conditional)

Типовые вопросы к зачету:

Prepare a presentation and speak in detail on one of these topics:

Семестр 1

- 1) My University Department
- 2) The Role of Science in the Modern World
- 3) My Future Career

Семестр 2

- 1) Inventions and Technologies
- 2) Environmental Issues
- 3) Communication in the Digital Age

Семестр 3

- 1) Engineering As a Profession
- 2) The Role of Mathematics
- 3) Computers in Use

Семестр 4

- 1) Negotiation and Contracts in Telecommunication Deals
- 2) Online Resources for Communications Engineers
- 3) Current Trends in ICT Development

Семестр 5

- 1) History of Telecommunication Networks
- 2) The Profession of a Communications Engineer
- 3) Modern Types of Communication Systems

Семестр 6

- 1) Virtual Engineering Teams and Remote Collaboration
- 2) Effective Presentations and Technical Reports in ICT
- 3) Project Management in Telecommunication Networks

Типовые вопросы к зачету с оценкой:

Семестр 7

Prepare a presentation and speak in detail on one of these topics:

- 1) Presentation on Emerging Information Communication Technologies

Студенты готовят доклад и презентацию на английском языке о новых технологиях в сфере инфокоммуникаций (например, 5G, Интернет вещей (IoT), сетевые протоколы следующего поколения).

- 2) Case Study: Successful Information Communication Companies

Исследование и презентация на английском языке об историях успеха ведущих компаний в области коммуникационных технологий, включая ключевые факторы их роста и развития.

- 3) Designing a Website Content Plan for a Telecom Company

Разработка плана контента для веб-сайта компании в сфере телекоммуникаций с описанием разделов на английском языке, включая описание услуг (например, установку сетей, техническое обслуживание, консультации), создание приветственных текстов, а также подготовка презентации проделанной работы.

4) Impact of Information Communication Technologies on Society

Подготовка презентации на английском языке о влиянии инноваций в области сетевых и коммуникационных технологий на общество, включая такие темы, как удалённая работа, цифровизация, автоматизация и безопасность данных.