**VOCABULARY UNIT 7+8 (NEW)**

1. \_\_\_\_\_\_ reduces a window to an icon or taskbar entry without closing it.

A. Maximize button B. Minimize button C. Close button D. Restore button

2. \_\_\_\_\_\_\_\_ is the name of a program that maliciously collects user information without permission.  
A. hackers B. adware C. spyware D. viruses

### 3. **\_\_\_\_\_\_\_\_\_ is responsible for identifying and fixing bugs in a program.**

A. System analyst B. Debugger C. Software developer D. Helpdesk supervisor

### 4. \_\_\_\_\_\_\_\_\_\_\_ is one of the biggest challenges for software developers.

### A. Maintaining premium pricing B. Debugging complex issues C. Managing a helpdesk team D. Designing viewable reports

### 5. A helpdesk technician should \_\_\_\_\_\_ when a user reports a "connection error".

### A. Approve new hardware purchases B. Analyze and resolve network issues C. Conduct software testing D. Debug code in the system

### 6. \_\_\_\_\_\_\_\_ comes first in a software development project.

### A. Beta testing B. Requirement analysis C. Debugging D. Client approvals

### 7. \_\_\_\_\_\_\_\_ refers to the initial testing done by developers before user testing.

### A. Alpha testing B. Beta testing C. Milestone testing D. Release testing

### 8. During \_\_\_\_\_\_\_\_, feedback from users is gathered to improve the product.

### A. Alpha testing B. Coding C. Beta testing D. Debugging

### 9. \_\_\_\_\_\_\_\_\_\_, client approval usually occurs.

### A. During the debugging phase B. After a release candidate is ready C. During requirement analysis D. While analyzing system crashes

### 10. \_\_\_\_\_\_\_\_ is most likely a milestone in a software development project.

### A. Crashes and errors B. Approval of the project budget C. Completion of requirement analysis D. Debugging a minor issue

### 11. \_\_\_\_\_\_\_ is an example of a versatile software tool.

### A. A program that only manages databases B. A tool that can handle multiple tasks like coding, debugging, and testing C. A premium application for video editing only D. A simple calculator program

### 12. If a program is running slowly, \_\_\_\_\_\_ might be a system analyst’s recommend.

### A. Conducting requirement analysis B. Optimizing system configuration C. Approving client feedback D. Performing beta testing

### 13. \_\_\_\_\_\_\_ might cause a computer to crash.

### A. Requirement analysis issues B. Hardware or software malfunctions C. Debugging errors D. Lack of versatile coding

### 14. \_\_\_\_\_\_\_\_\_\_\_ is a common cause of hanging in software.

### A. Connection errors B. Insufficient memory or programming issues C. Approval delays D. Debugging mistakes

### 15. \_\_\_\_\_\_\_\_\_ is the first thing you should do if someone experiences an electric shock in the workplace.

### A. Continue working and inform a manager later B. Analyze the situation and debug any issues C. Call for medical help and ensure the power source is turned off D. Conduct an interview to document the event

### 16. \_\_\_\_\_\_\_\_\_\_ is a common tool for input/output operations in C++ programming?

### A. Analyze/Approve B. Cin/Cout C. Debug/Release D. Alpha/Beta

### 17. The cout command in C++ means to \_\_\_\_\_\_\_\_\_\_\_\_.

### A. Input data B. Output data C. Remove errors D. Exit a program

### 18. \_\_\_\_\_\_\_\_ is NOT a technical skill.

### A. Coding knowledge B. Database management

### C. Communication skills D. Debugging

### 19. \_\_\_\_\_\_\_\_\_\_ is an example of technical skills.

### A. Leadership abilities B. Coding in multiple languages C. Experience in customer service D. Time management

### 20. \_\_\_\_\_\_\_\_ is an example of personal skills important for IT professionals.

### A. Debugging expertise C. Proficiency in coding languages B. Strong communication and teamwork abilities D. Analyzing system errors

**GRAMMAR UNIT 7+8 (NEW)**

1. The software developer wants \_\_\_\_\_\_\_\_ the code for any errors before the release.

A. to check B. check C. checking D. checks

2. The system administrator needs \_\_\_\_\_\_\_\_ whether the server is online or offline.

A. determine B. to determine C. determining D. determines

3. The new application should \_\_\_\_\_\_\_\_ user-friendly and efficient.

A. to be B. being C. be D. is

4. The software \_\_\_\_\_\_\_\_ by many companies because of its versatility.

A. chooses B. is chosen C. was choosing D. was chosen

5. The database \_\_\_\_\_\_\_\_ updated last night to fix security issues.

A. was B. is being C. was being D. is

6. What's the plan for next week? - We \_\_\_\_\_\_\_\_ to complete the debugging process by then.

A. are plan to B. planning C. plan to D. plans

7. We’re scheduled to finish testing soon, and we \_\_\_\_\_\_\_\_ start the user training sessions next week.

A. are due to B. are dued to C. due to D. be due to

8. Clicking the ‘Install’ button makes the software \_\_\_\_\_\_\_\_ on your device automatically.

A. installs B. install C. to install D. installing

9. Executing this command allows the computer \_\_\_\_\_\_\_\_ large amounts of data.

A. process B. to process C. processing D. processes

10. The developers \_\_\_\_\_\_\_\_ the beta version by the end of this week.

A. finished B. are finishing C. have finished D. finish

11. Did you \_\_\_\_\_\_\_\_ the software update this morning?

A. installed B. have installed C. install D. installing

12. Yesterday, the IT team \_\_\_\_\_\_\_\_ a backup of the entire system before making changes.

A. takes B. is taking C. took D. has taken

13. What \_\_\_\_\_\_\_\_ so far to fix the error message on the screen?

A. have you done B. are you doing C. did you do D. do you do

14. When I opened the app, I \_\_\_\_\_\_\_\_ a message saying ‘Network error, please try again later.’

A. received B. receive C. have received D. am receiving

15. Your device settings might \_\_\_\_\_\_\_\_, causing this connectivity issue.

A. being wrong B. be wrong C. wrong D. to be wrong

16. The technician suggested \_\_\_\_\_\_\_\_ the router and modem for any physical damage.

A. checking B. check C. checks D. to checking

17. The root cause of the issue might \_\_\_\_\_\_\_\_ related to a compatibility problem.

A. is B. be C. being D. to be

18. If you’re working on a project team, you should \_\_\_\_\_\_\_\_ open communication with colleagues.

A. to maintain B. maintains C. maintaining D. maintain

19. I hope \_\_\_\_\_\_\_\_ a better understanding of programming languages in the next year.

A. improving B. to improve C. improve D. will improve

20. I expect \_\_\_\_\_\_\_\_ with you the implementation of new security measures.

A. to further discuss B. further discussing  
C. to further discussing D. further discuss

**READING (NEW)**

**Task 1. Read the text and choose the correct answer.**

The process of software development services in India goes through a series of stages in step wise fashion that almost every developing company follows. Let’s study the steps to know how the perfect software is developed.

**1. Planning**: Without the perfect plan, calculating the strengths and weaknesses of the project, development of software is meaningless. Planning kicks off a project flawlessly and affects its progress positively.

**2. Analysis**: This step is about analyzing the performance of the software at various stages and making notes on additional requirements. Analysis is very important to proceed further to the next step.

**3. Design**: Once the analysis is complete, the step of designing takes over, which is basically building the architecture of the project. This step helps remove possible flaws by setting a standard and attempting to stick to it.

**4.** **Development & Implementation**: The actual task of developing the software starts here with data recording going on in the background. Once the software is developed, the stage of implementation comes in where the product goes through a pilot study to see if it’s functioning properly.

**5. Testing**: The testing stage assesses the software for errors and documents bugs if there are any.

**6. Maintenance**: Once the software passes through all the stages without any issues, it is to undergo a maintenance process where in it will be maintained and upgraded from time to time to adapt to changes. Almost every software development Indian company follows all the six steps, leading to the reputation that the country enjoys in the software market today.

The cost of software development services in India is comparatively lower than in other countries, making it a much sought after destination today. Custom software development is India is a big hit among clients who are able to get their business needs fulfilled at highly cost-effective rates.

1. The \_\_\_\_\_\_\_\_ stage helps to set up a solid foundation for the software project and ensures the team understands the goals and requirements.

A. Testing B. Planning C. Design D. Maintenance

2. The \_\_\_\_\_\_\_\_ stage involves identifying potential flaws in the system by analyzing how the software performs under various conditions.

A. Development B. Testing C. Design D. Analysis

3. The \_\_\_\_\_\_\_\_ phase focuses on the software's technical blueprint, structuring its components and ensuring the design is feasible.

A. Design B. Testing C. Planning D. Implementation

4. The \_\_\_\_\_\_\_\_ step is the actual construction of the software and its deployment into a working system to be tested.

A. Design B. Analysis C. Development & Implementation D. Maintenance

5. The \_\_\_\_\_\_\_\_ phase guarantees the software is free from bugs and operates smoothly in real-world scenarios.

A. Maintenance B. Development C. Testing D. Planning

**Task 2. Read the text and choose the best answer for each question.**

**The future of Information Technology**

We are in the midst of convergence. At the hardware layer, computers, phones and consumer electronics are converging. At the applications layer, we see convergence of information, entertainment, communications, shopping, commerce, and education. This convergence is transforming the way we interact with technology and shaping the fabric of modern society.

Computers have made extraordinary progress, coming from virtually nothing 50 years ago to a point where they are rapidly approaching the capabilities of the human brain. Predictions suggest that we could achieve human-machine equivalence by around 2015. However, this is only the beginning. After reaching this milestone, computers will continue to grow smarter at an exponential rate. A key driver of this progress is the positive feedback loop inherent in technological development: each generation of advanced computers aids in designing and developing the next, leading to increasingly sophisticated systems. Eventually, these systems will reach a point where they can design their successors with minimal or no human input.

This rapid evolution will not only revolutionize computing but also accelerate advancements across every field of knowledge. It may feel as if extraterrestrials had descended upon Earth in 2020, gifting humanity their cutting-edge technologies.

Despite these breakthroughs, humanity must overcome one significant challenge: the interface problem. In the near future, we might see innovations like electronic pets equipped with video camera eyes, microphone ears, and seamless connections to family computers. With advancements in voice and language recognition, accessing the vast resources of the Internet will become effortless. These interfaces will eliminate technophobia, requiring only the ability to speak any major language to interact with technology.

This shift promises a future where information technology is not only powerful but also universally accessible, transforming the way we live and work.

**1. What devices are converging at the hardware layer?**  
A. Cars and airplanes  
B. Computers, phones, and consumer electronics  
C. Books and magazines  
D. Televisions and radios

**2. How many years ago did computers begin their rapid progress?**  
A. 20 years  
B. 50 years  
C. 100 years  
D. 10 years

**3. What year is mentioned as a prediction for human-machine equivalence?**  
A. 2015  
B. 2025  
C. 2000  
D. 2030

**4. What futuristic innovation is mentioned in the text?**  
A. Flying cars  
B. Electronic pets with video camera eyes and microphone ears  
C. Virtual reality classrooms  
D. Robots replacing humans in all jobs

**5. What skill will be needed to use future technology interfaces?**  
A. Programming skills  
B. Typing speed  
C. Speaking any major language  
D. Advanced math knowledge

**Task 3. Read the text and choose the best answer for each blank.**

**Tips for Writing a Cover Letter**

**Tailor each letter to the job.**It takes a little extra time, but be sure to write a (1) \_\_\_\_\_\_\_\_\_\_ cover letter for each job. Your cover letter should be specific to the position you are applying for, relating your skills and experiences to those noted in the job posting.

**Use keywords.**One useful way to tailor your letter to the job is to use (2) \_\_\_\_\_\_\_\_\_\_ from the job posting. Circle any words from the job posting that seem critical to the job, such as specific skills or qualifications. Try to use some of these words in your letter. This way, at a glance, the employer can see that you match the requirements of the job.

**Explain how you will add value.**Think of concrete ways to prove you will add value to the company. Include examples of specific accomplishments from previous jobs. For example, if you helped reduce turnover by 10% at your last company, or (3) \_\_\_\_\_\_\_\_\_\_ that reduced file errors by 15%, include this information. Try to quantify your successes when possible to clearly demonstrate how you could add value at the company.

**Look at cover letter samples.**Check out a few sample cover letters before writing your own. Samples will give you an idea of what information to include in your cover letter, and how to format the letter. However, never simply (4) \_\_\_\_\_\_\_\_\_\_ a sample cover letter. Change the letter to fit your specific skills and experiences, and the job you are applying for.

**Edit, edit, edit.**Your cover letter is your first, and best, chance to sell the hiring manager on your candidacy for employment, so make sure it's (5) \_\_\_\_\_\_\_\_\_\_.

Read through your letter, proofreading it for any spelling or grammar errors. Ask a friend, family member, or career counselor to read it as well. You want to make sure the letter is polished before submitting it.

1. A. identical B. general C. unique D. short

2. A. random phrases B. key words C. vague ideas D. unrelated examples

3. A. delaying progress B. creating errors C. ignoring deadlines D. implementing new strategies

4. A. review B. ignore C. copy and paste D. improve

5. A. perfect B. formatted C. imperfect D. unformatted

**Task 4. Read the text and choose the best answer for each blank.**

**WRITING CODE**

Computer code is a series of (1) \_\_\_\_\_\_\_\_\_\_ that have been assigned a function by a higher level language. This language has been converted to machine language using a compiler. There are various languages and programs available depending on the tasks. One of the most important aspects of coding is deciding which (2) \_\_\_\_\_\_\_\_\_\_ (creating a web page, writing a game, etc.) a computer will do. Regardless of what is chosen, the majority of codes utilize plain-text because of its compatibility. Though the actual content is written this way, documents are each given a unique file extension that is indicative of their type. One can write a simple code with a basic word processor or text editor. However, using a software application is significantly more effective and efficient. A code editor is also known as an integrated development environment (IDE), which is a software application for formatting. Using a code editor (3) \_\_\_\_\_\_\_\_\_\_ the chances of errors in codes and time spent reading a code. A large downfall of working with IDEs is a lack of flexibility. While some IDEs work with multiple programming languages, a sizable amount is very specific for only one language. A compiler is a special program that processes statements written in a particular programming language and turns them into (4) \_\_\_\_\_\_\_\_\_\_ language or "code" that a computer's processor uses. When the complier executes, it first analyzes all of the language statements syntactically one after the other and then, in one or more successive stages or "passes", builds the output code, making sure that statements that refer to other statements are referred to correctly in the final code. A compiler works with what are sometimes called 3 GLs and higher-level languages. There are one-pass and multi-pass compilers as well as just-in-time compiler, stage compiler, and source-to-source. Because compilers translate source code into (5) \_\_\_\_\_\_\_\_\_\_ code, which is unique for each type of computer, many compilers are available for the same language.

1. A. symbols B. statements C. errors D. objects

2. A. colors B. fonts C. jobs D. languages

3. A. decreases B. increases C. multiplies D. grows

4. A. visual B. plain-text C. symbolic D. machine

5. A. object B. plain C. symbolic D. machine