

Mark the letter A, B, C or D to indicate the word whose underlined part differs from the other three in pronunciation in each of the following questions.

- Question 1: A. enable B. invent C. remove D. effective
 Question 2: A. installed B. allowed C. displayed D. expressed

Mark the letter A, B, C or D to indicate the word that differs from the other three in the position of the primary stress in each of the following questions.

- Question 3: A. software B. amaze C. collect D. control
 Question 4: A. convenient B. equipment C. processor D. emotion

Mark the letter A, B, C or D to indicate the correct answer to each of the following questions.

- Question 5: The robot vacuum has a button to _____ the time for cleaning.
 A. install B. make C. put D. set
- Question 6: _____ robots to perform daily tasks makes our lives become more convenient.
 A. Using B. To using C. To used D. Use
- Question 7: In the laboratory, scientists collect data and do _____ using advanced equipment.
 A. programmes B. experiments C. software D. devices
- Question 8: It's necessary _____ factors like the screen size and the battery before you decide _____ a computer.
 A. to consider/ buying B. considering/ buying
 C. to consider/ to buy D. considering/ to buy
- Question 9: Over the past few years, the invention of the Internet _____ the way we communicate with others.
 A. has completely changed B. completely has changed
 C. completely changes D. will completely change
- Question 10: The e-reader is an effective device for book lovers because it enables them _____ thousands of books on it.
 A. to storing B. to store C. storing D. store
- Question 11: I enjoy _____ language games on the Internet to improve my language skills.
 A. to play B. play C. to playing D. playing
- Question 12: She is an excellent designer, _____ is able to create various computer programmes.
 A. who B. which C. when D. that
- Question 13: With the invention of 3D printing, we can now create physical objects with different designs and materials _____.
 A. effect B. effective C. effectively D. ineffectively
- Question 14: In the field of computer science, _____ significant developments, there is still much more to discover.
 A. due B. despite C. because of D. in spite
- Question 15: Thanks to the Internet, we can find solutions _____ various problems with just a few clicks.
 A. on B. for C. of D. to

Question 16: Since this robot _____, it _____ an essential device for daily tasks, and I can't imagine life without it.

- A. invented/ became
C. was invented/ has become
- B. invented/ has become
D. was invented/ became

Question 17: The high speed of this computer allows it to run more quickly.

- A. process B. processor C. proceed D. processing

Question 18: I _____ installing new software on my laptop.

- A. have just finished B. just have finished C. just finished D. just finish

Question 19: It is very useful and convenient _____ with educational apps on my phone because I can study anytime and anywhere.

- A. to learning B. learning C. to learn D. learn

Mark the letter A, B, C or D to indicate the sentence that best completes each of the following exchanges.

Question 20: Two friends are talking about a new educational app.

Van: "Can you show me how to use this new educational app? People say that it's really useful for learning languages."

Hoà: “ , I’d be happy to show you how it works.”

- A. Certainly B. Not sure C. Maybe D. Of course not

Question 21: Two friends are talking about a robot vacuum.

Minh: “a reliable robot vacuum for cleaning my apartment?”

Phong: "Sure! I've been using the EF Robot Vacuum, and it's been very effective."

- A. Can you tell me know B. Can you advise
C. Can you please recommend D. Can you show me know

Mark the letter A, B, C, D to indicate the word(s) CLOSEST in meaning to the underlined word(s) in each of the following questions.

Question 22: Many inventions, like robots and AI, have **amazed** us with their great features.

- A. surprised B. affected C. bored D. enabled

Question 23: The invention of this new medical **device** will help doctors to diagnose diseases more accurately and efficiently.

- A. laboratory B. furniture C. experiment D. equipment

Mark the letter A, B, C, D to indicate the word(s) **OPPOSITE** in meaning to the underlined word(s) in each of the following questions.

Question 24: Online shopping is a **convenient** way of shopping, enabling people to order products from the comfort of their homes.

- A. useful B. unsuitable C. available D. invaluable

Question 25: The latest mobile device has impressive features that **enable** users to do multiple tasks at the same time.

- A. prevent B. refuse C. allow D. approve

Mark the letter A, B, C or D to indicate the underlined part that needs correction in each of the following questions.

Question 26: Smartphones and laptops play an important part in our lives because they allow us stay connected with others easily.

- A. part B. because C. stay D. easily
- Question 27: I am considering buying a new smartphone but my current one is starting to slow down.
- A. buying B. but C. one D. to slow down
- Question 28: Since we start using the robot vacuum, cleaning the house has become much easier and more efficient.
- A. start B. cleaning C. has become D. easier

Read the following passage and mark the letter A, B, C, or D to indicate the correct word that best fits each of the numbered blanks.

Robots designed for social and therapeutic purposes can look like cute animals. For people living with memory loss, robots can remind them about things they often forget, such as helping them remember to (29) _____ medicine and eat meals, pointing out the location of household items and helping with their use. Robots can also provide companionship and entertainment, such as engaging people in games, dancing and singing. Robots can support people with memory loss to live (30) _____, and help reduce negative behavioural and psychological symptoms.

They can also support human caregivers by providing watchful eyes and helping hands. Robots do not experience stress and burnout (31) _____ there are other practical benefits, too. Robots (32) _____ look like animals can be used in place of real animals for pet therapy. A robotic cat; for instance, doesn't need food, water or (33) _____ litter box and won't scratch if it is squeezed a bit too hard.

Adapted from <https://theconversation.com/robot-revolution-why-technology-for-older-people-must-be-designed-with-care-and-respect-71082>

- Question 29: A. take B. make C. drink D. have
- Question 30: A. independence B. independently C. dependently D. depend
- Question 31: A. however B. therefore C. because D. and
- Question 32: A. which B. who C. whose D. when
- Question 33: A. another B. every C. a D. much

Read the following passage and mark the letter A, B, C or D to indicate the correct answer to each of the questions.

From retail goods to food, 3D printing technology promises to change the way we think about everyday things. It's difficult to predict what impact it will have on manufacturing but, whatever the exact effects, they are likely to be deep and long-lasting.

Also known as "*additive manufacturing*", 3D printing refers to processes where an object is put together by layering materials under programmed commands. Objects can be of almost any shape and are produced from digital model data or other electronic data sources, such as an *Additive Manufacturing File*.

The invention of 3D printing opens the way for manufacturers to significantly reduce the production cost of their goods by eliminating many steps in the manufacturing process and the complete production process, with 3D printing, what would have initially been a series of stages of production could be cut down to a designer at one end, and the printer or "manufacturer" at the other.

Such reductions in the manufacturing process could affect both regional and international production networks, possibly resulting in reduced capital requirements, warehousing and other logistics and transportation needs. This change in production systems could potentially **alter** the very idea of nations' economic security. It could; for instance, destroy countries' carefully laid development plans for creating employment and investment in logistics and warehousing, regardless of economic development level. What might happen to global production networks under such an influential technology?

Adapted from <https://theconversation.com/how-3d-printing-could-disrupt-asias-manufacturing-economies-69633>

Question 34: Which of the following can be the best title for the passage?

- A. The Future of 3D Printing Technology
- B. The Impact of 3D Printing Technology
- C. The Introduction of 3D Printing Technology
- D. The Advantages of 3D Printing Technology

Question 35: The word "**their**" in paragraph 3 refers to _____.

- A. objects' B. processes' C. manufacturers' D. stages'

Question 36: The word "**alter**" in paragraph 4 is closest in meaning to _____.

- A. remain B. change C. keep D. develop

Question 37: According to paragraph 4, what is TRUE about the impact of 3D printing on global production networks?

- A. It could result in reduced international trade.
- B. It could lead to a decline in the use of digital model data.
- C. It might encourage countries to invest more in logistics and warehousing.
- D. It might have negative effects on the existing production networks.

Question 38: What can be inferred about the potential effects of 3D printing on manufacturing?

- A. The impacts of 3D printing on manufacturing are uncertain and unserious.
- B. 3D printing has the potential to greatly reduce production costs.
- C. 3D printing will not affect the traditional stages of production in manufacturing.
- D. 3D printing is primarily used for producing digital model data.

Read the following passage and mark the letter A, B, C or D to indicate the correct answer to each of the questions.

We all suffer from too little sleep from time to time, some more than others. There are many possible reasons, depending on our age, genes and sleep habits; but another possible **culprit** is using technology before going to sleep.

A 2011 survey found nine in ten people use some form of electronics in the hour before bed. This ranges from playing video games and watching television, to using light-emitting e-readers, tablets and smartphones. While these devices, especially light-emitting e-readers, seem harmless enough, the light **they** emit may affect our sleep patterns and leave us feeling tired the next day. Light exposure can directly influence sleep and the timing of sleep by acting on our body clock.

One way light exposure may impact sleep and our body clock is by affecting the production of melatonin during the night. Melatonin is a "*sleep*" hormone produced in the brain. Melatonin levels begin to increase around two hours before bed (around 9 p.m. for

someone who usually goes to bed around 11 p.m.) to help to sleep. Exposure to light during the evening hours can inhibit the production of melatonin, so that melatonin production happens later in the night. Using the example above, melatonin levels may only start to increase around 10 p.m., which may delay your sleep until around midnight.

The most obvious thing to do is to reduce the use of light-emitting electronic devices prior to bedtime, or at least within the hour before sleep. For adolescents and adults who are less willing to stop using electronic devices, there are some applications that can change the amount of blue light that is emitted. It's probably not a good idea to rely on these applications too heavily. My advice would be to buy a book or choose an e-reader that doesn't emit light. Try to reduce the amount of light you are exposed to in the evenings. Who knows, you may even find it more relaxing!

Adapted from <https://theconversation.com/booting-up-or-powering-down-how-e-readers-affect-your-sleep-36145>

Question 39: Which of the following can be the best title for the passage?

- A. The Impact of Sleep Habits on Technology Usage
- B. The Benefits of Using E-readers Before Bedtime
- C. The Impact of Technology on Sleep Patterns
- D. The Reasons Why People Suffer from Lack of Sleep

Question 40: The word "**culprit**" in paragraph 1 is closest in meaning to _____.

- A. cause
- B. effect
- C. harm
- D. advantage

Question 41: The word "**they**" in paragraph 2 refers to _____.

- A. video games
- B. devices
- C. tablets
- D. smartphones

Question 42: According to paragraph 3, how does light exposure affect sleep and the body clock?

- A. It increases melatonin production, leading to better sleep.
- B. It makes the production of melatonin happen earlier.
- C. It prevents the production of melatonin, delaying sleep.
- D. It has no effect on sleep patterns.

Question 43: The word "**inhibit**" in paragraph 3 is closest in meaning to _____.

- A. increase
- B. prevent
- C. encourage
- D. support

Question 44: According to paragraph 4, how can individuals reduce the impact of light emitting electronic devices on their sleep?

- A. avoid using any electronic devices before bedtime.
- B. rely on applications that increase the amount of blue light.
- C. use light-emitting e-readers with reduced brightness.
- D. read physical books or e-readers that don't emit light.

Question 45: Which of the following can be inferred about melatonin production?

- A. Melatonin production starts increasing around midnight for most people.
- B. Light exposure in the evening delays melatonin production.
- C. Melatonin production is not influenced by light exposure.
- D. Light-emitting smartphones are the main factor affecting melatonin production.

Mark the letter A, B, C or D to indicate the sentence that is closest in meaning to each of the following questions.

Question 46: Learning a new language through language games is very exciting.

- A. I find it uninteresting to learn a new language through language games.

- B. It's interesting to learn a new language through language games.
- C. Learning a new language through language games makes me feel bored.
- D. Language games allow me to learn a new language easily.

Question 47: Having more RAM in the computer enables us to run multiple tasks at the same time.

- A. Having more RAM in the computer is useful for running multiple tasks at the same time.
- B. Having more RAM in the computer makes it uneasy to run multiple tasks at the same time.
- C. Running multiple tasks at the same time requires less RAM in the computer.
- D. Running multiple tasks at the same time is one of the drawbacks of having more RAM in the computer.

Question 48: I started using my smartphone when I was at secondary school.

- A. I have used my smartphone for I was at secondary school.
- B. I have used my smartphone since I was at secondary school.
- C. I used my smartphone since I was at secondary school.
- D. I have started using my smartphone since I studied at secondary school.

Mark the letter A, B, C or D to indicate the sentence that best combines each pair of sentences in the following questions.

Question 49: The Internet has made various educational resources available. This makes learning more convenient for students.

- A. The Internet has made various educational resources available, but it makes learning more convenient for students.
- B. The Internet has made various educational resources available because of making learning more convenient for students.
- C. The Internet has made various educational resources available, making learning more convenient for students.
- D. The Internet has made various educational resources available despite making learning more convenient for students.

Question 50: My mom was amazed by the helpful chatbot. It helped her find the right product.

- A. My mom was amazed by the helpful chatbot which helped her find the right product.
- B. My mom was amazed by the helpful chatbot who helped her find the right product.
- C. My mom was amazed by the helpful chatbot because of helping her find the right product.
- D. My mom was amazed by the helpful chatbot; therefore, it helped her find the right product.