

10 TA - UNIT 5. INVENTIONS

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

1. Yesterday they installed some necessary software on the computers in the office.
A. located B. placed C. ordered D. set up
2. I think these devices are useful for our tasks. They will help us to measure more easily.
A. unbeneficial B. ineffective C. helpful D. useless
3. It's actually a lot of fun to learn with educational apps.
A. madly B. deeply C. widely D. really
4. The apps allow them to communicate and learn at the same time.
A. make contact B. keep silent C. make a speech D. have a presentation
5. Robots can now communicate, work and express their emotions.
A. passions B. feelings C. thoughts D. ideas

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

1. AI has been applied to apps which help users to study language effectively.
A. usefully B. helpfully C. successfully D. unsuccessfully
2. Drivers may now find the most suitable route thanks to AI and the Internet.
A. satisfactory B. acceptable C. inappropriate D. fitting
3. Inventions have completely changed our daily work and life.
A. imperfectly B. totally C. entirely D. overally
4. What are some benefits of the development of robotics?
A. advantages B. power C. strength D. disadvantages
5. This laptop is certainly the best one for you. You can take a look at it.
A. definitely B. clearly C. doubtfully D. undeniably

Give the correct forms of words in brackets.

1. I don't know that there have been so many (VALUE) _____ inventions.
2. Since people (INVENT) _____ the first computer, they have created many more interesting inventions.
3. Robots are just one example of Artificial Intelligence - the study and (DEVELOP) _____ of machines that can copy human intelligence.
4. Understanding some (BASEMENT) _____ information about the hardware is very important and will help you decide on the most suitable computer for you.
5. They have just installed some (INTEREST) _____ software on the school computers.

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

1. It's also very _____ for learners to use them.
A. convenience B. inconvenience C. inconvenient D. convenient
2. The apps allow them _____ and learn at the same time.
A. communicate B. to communicate C. communicator D. communicative
3. The robots may be able _____ you do the housework.
A. help B. helping C. to help D. helped
4. Since laptops _____, they _____ us to study better and work faster.
A. were invented - have allowed B. invented – allowed C. have invented - have allowed D. are invented - have allowed
5. Laptops are _____ for students and officers to study and work flexibly.
A. plentiful B. useful C. helpless D. worthy
6. They are _____ what they should do with the new computer. Each person has his own idea.
A. asking B. explaining C. suggesting D. discussing
7. Computers have completely changed our life _____ their invention.
A. since B. for C. when D. while
8. In 2000, a robot created by a company _____ everyone by just walking down the stairs.
A. amazes B. have amazed C. amazed D. was amazing
9. Nowadays, AI has been applied _____ various areas of life.
A. for B. to C. on D. in
10. Vacuum cleaners with AI can now decide on the most _____ way to clean the house.
A. effect B. affect C. effective D. effectively
11. In transport, AI can be used on many smartphones to _____ information about traffic.

- A. collect B. require C. hold D. reserve
12. Computer programmes can help _____ plan their holidays, book flights and hotels, and answer questions.
A. designers B. customers C. sellers D. supporters
13. AI helps _____ machines that think and act like humans.
A. to make B. have made C. making D. made
14. That robot can show its _____ when talking to humans. We may see its happiness or sadness.
A. attitudes B. behaviours C. equipment D. emotions
15. The Internet allows driverless cars to travel around without a person _____ control.
A. in B. at C. for D. about

Fill in the blanks with suitable prepositions

1. Thanks _____ robots, many dangerous tasks can be done effectively.
2. E-readers can store and read texts _____ the Internet nowadays.
3. Smartphones are used _____ learning languages.
4. Telephones are useful in communicating _____ long distances.
5. Helping drivers is one of many benefits _____ AI in transport.

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

1. Its also very convenient for learners using them.
2. Why is it fun to learn with education apps on smartphones?
3. Devices such as vacuum cleaners can now use AI to measure the room size and remember any furniture.
4. Travelling has become much more convenient thanks AI.
5. AI is one of the most important invent of the 20th century.

C. GRAMMAR

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

1. A correction pen is used for _____ your writing mistakes.
A. cover B. covered C. covering D. to cover
2. It's no good _____ him the truth now.
A. not to tell B. tell C. telling D. to tell
3. Don't forget _____ your homework before coming to class.
A. doing B. having done C. to be done D. to do
4. Did you remember _____ Mr. Green my message?
A. be given B. giving C. have given D. to give
5. My computer is used for _____ music and video.
A. having played B. play C. playing D. to play
6. Facebook is used _____ among the young.
A. communicate B. Communicating C. to communicate D. to communicating
7. He _____ for the Google since 2014.
A. has worked B. is working C. was working D. worked
8. Her children _____ their homework yet. They are still working on it.
A. hasn't finished B. hasn't finishing C. haven't finished D. haven't finishing
9. I have lost my mobile phone. Someone _____ it.
A. has steal B. has stole C. has stolen D. have stole
10. I am not hungry. I have _____ eaten.
A. just B. ever C. never D. yet
11. _____ you ever been to New York?
A. Are B. Do C. Have D. Were
12. My parents _____ us many times.
A. has visited B. have visited C. visit D. will visit
13. How long _____ your best friend?
A. did you know B. do you know C. have you known D. are you knowing
14. YouTube _____ to become the world most popular video-sharing website since 2005.
A. has grown B. have grown C. grew D. grows
15. "Would you like a coffee?" - "No thanks. _____ one."
A. I just had B. I just have C. I was just having D. I've just had

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

16. The Tesla Coil is used for create extremely powerful electrical fields.
17. IBM is an artificial intelligence computer system and is used to answering questions posed in natural language.
18. The boat rudder was invented to steer large ships, which enabled the Chinese for building

huge ships as early as 200 AD.

19. Since the Internet **was first created** in **the 1960s**, it **changed** people's lives **a lot**.

20. Scientists **have researched since** years **into** ways **of curing** cancer patients.

D. SPEAKING

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

- Nam: Dad, I think I'll buy something new for my studies with my money. Dad: _____.
A. Never mind. B. Good idea, son. C. How is that? D. Try your best.
- Dad: What do you want to buy? - Nam: _____.
A. The laptop and the mobile phone are too old to use. B. The laptop is bigger than the mobile phone.
C. I'm not sure. A laptop or a mobile phone. D. A laptop or a mobile phone is useful for him.
- Nam: I think a laptop is a better choice. - Dad: _____.
A. I think so. B. Forget it. C. That's not what I want. D. Do it as usual.
- Dad: What are you going to do with the laptop? - Nam: _____.
A. I haven't decided yet. B. You can think about it.
C. I never make a decision. D. I am studying and relaxing with it.
- Nam: Dad, you use your phone to study. - Dad: _____.
A. That's a good thing to do. B. That sounds amazing!
C. That's it. D. That makes me happy.

E. READING

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

Humans have been developing technology for a very long time. The ability to design and create tools and devices is considered a definitive aspect of human beings. Many other species behave out of (1) _____, as is the case of bees building hives and beavers constructing dams.

Humans, alternatively, are (2) _____ to use creative and organizational skills to develop new solutions to problems. Tools are objects generated by humans with the (3) _____ of solving problems. Early humans who invented technology did so with the motivation to have the power to change their environments. When technology was invented, people were able to use technology to (4) _____ human needs, wants, and desires.

An example of early technology is fire. There is evidence that humans started using fire in stone hearths approximately 1.5 million years ago. It is thought that, (5) _____ early humans were scared (6) _____ the dangers of fire, they understood that fire could help improve their lives. Fire could provide warmth, scare predators away and be used (7) _____ food.

Clocks, as a technology, were created about five thousand to six thousand years ago in (8) _____ to allow people to organize their time in a more coordinated fashion. The initial clock design used shadows created by the sun to (9) _____ time. Mechanical clocks were developed later, in China. Writing is also an important early human technology and was created more than three thousand years ago. Initially, writing served to track commodities. Writing later became a way to share ideas, record history, and disseminate information, among (10) _____ functions.

(Source: <https://study.com/learn/lesson/invention-technology-purpose-history.html>)

- | | | | |
|-----------------|-------------|----------------|---------------|
| 1. A. intuition | B. instinct | C. gut | D. mind |
| 2. A. capable | B. likely | C. able | D. possible |
| 3. A. purpose | B. goal | C. view | D. aim |
| 4. A. see | B. face | C. watch | D. meet |
| 5. A. despite | B. because | C. although | D. when |
| 6. A. by | B. to | C. of | D. about |
| 7. A. cooking | B. cook | C. for cooking | D. to cooking |
| 8. A. addition | B. case | C. order | D. regard |
| 9. A. talk | B. say | C. tell | D. speak |
| 10. A. other | B. another | C. others | D. the other |

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

While the debate regarding how much screen time is appropriate for children rages on among educators, psychologists, and parents, it's another emerging technology in the form of artificial intelligence and machine learning that is beginning to alter education tools and institutions and changing what the future might look like in education. It is expected that artificial intelligence in U.S. education will grow by 47.5% from 2017-2021 according to the Artificial Intelligence Market in the US Education Sector report. Even though most experts believe the critical presence of teachers is irreplaceable, there will be many changes to a teacher's job and to educational best practices.

AI has already been applied to education primarily in some tools **that** help develop skills and testing systems. As AI educational solutions continue to **mature**, the hope is that AI can help fill needs gaps in learning and teaching and allow

schools and teachers to do more than ever before. AI can drive efficiency, personalization and streamline admin tasks to allow teachers the time and freedom to provide understanding and adaptability—uniquely human capabilities where machines would struggle. By leveraging the best attributes of machines and teachers, the vision for AI in education is one where they work together for the best outcome for students. Since the students of today will need to work in a future where AI is the reality, it's important that our educational institutions expose students to and use the technology. Artificial intelligence tools can help make global classrooms available to all including those who speak different languages or who might have visual or hearing impairments. Presentation Translator is a free plug-in for PowerPoint that creates subtitles in real time for what the teacher is saying. This also opens up possibilities for students who might not be able to attend school due to illness or who require learning at a different level or on a particular subject that isn't available in their own school. AI can help **break down** silos between schools and traditional grade levels.

(Adapted from <https://www.forbes.com/>)

11. Which of the following best describes the main topic of the passage?
 - A. The roles of teachers in the time of technology
 - B. Is AI appropriate for students to use in classrooms?
 - C. How AI is used in education
 - D. What AI tools are used in the classrooms
12. The word "**that**" in paragraph 2 refers to _____.
 - A. AI
 - B. education
 - C. some tools
 - D. testing systems
13. The word "**mature**" in paragraph 2 is closest in meaning to _____.
 - A. improve
 - B. replace
 - C. change
 - D. decrease
14. According to paragraph 2, what can AI do to help teachers in the classrooms?
 - A. It can work to give the best outcome for students.
 - B. It can urge the students to get familiar with the technology before working in the future.
 - C. It can help teachers to control the class more effectively.
 - D. It can drive efficiency, personalization and streamline admin tasks.
15. The following are the benefits of Presentation Translator mentioned in paragraph 3, **EXCEPT** _____.
 - A. creating subtitles in real time for what is being said in the lessons.
 - B. giving chance for the students to follow the lessons without attending school because of sickness.
 - C. allowing students to learn the particular subject unavailable at their own school.
 - D. providing opportunities for students to learn different languages.
16. The phrase "**break down**" in the last paragraph most probably means _____.
 - A. maintain
 - B. stop
 - C. develop
 - D. implement
17. According to the passage, which of the following is **TRUE**?
 - A. The blind and the deaf are able to join the class with the help of AI tools.
 - B. The use of AI in education in the United States will reach its peak in the near future.
 - C. Experts believe that teachers will lose their presence in the classroom by AI.
 - D. Students can work together to have good results on the job.

UNIT 5 - 15-MINUTE TEST

I. Give the correct forms of verbs in brackets.

1. Their family decided (go) _____ on holiday in Nha Trang this winter.
2. It's difficult (understand) _____ how to operate this machine.
3. My younger brother enjoys (fix) _____ the broken things when he has free time.
4. She seems to avoid (meet) _____ people so no one can contact her.
5. Your teacher will not allow you (use) _____ mobile phones during the examination.

II. Give the correct forms of verbs in brackets, using past simple or present perfect.

6. I heard your car (break) _____ down again yesterday. - Yes, it (happen) _____ three times.
7. It (rain) _____ every day since they (arrive) _____ here.
8. She never (be) _____ to Korea. You ever (visit) _____ Korea?
9. He (tell) _____ me his name, but I (forget) _____ it.
10. Jack (not meet) _____ his grandparents for a long time.

UNIT 5 - 45-MINUTE TEST

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.

1. A. change B. grandmother C. great D. integrate
2. A. time B. difficult C. discuss D. invent

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

- | | | | |
|-----------------|-------------------|-------------|---------------|
| 26. A. criminal | B. discrimination | C. crime | D. compliance |
| 27. A. when | B. who | C. that | D. which |
| 28. A. do | B. are | C. have | D. did |
| 29. A. unless | B. because | C. although | D. even if |
| 30. A. area | B. site | C. position | D. place |

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

The 21st century has become another important century for inventions and discoveries. We are only in the 2nd decade of this century currently but we have already witnessed many big innovations that have drastically changed our way of living. Bluetooth technology, broadband internet, artificial heart, genetic engineering, virtual reality, 3D printing are some to name a few. These inventions are changing the way we live, do our things and communicate with others. Even though some of these developments are in the early stage of innovation, they have a more sophisticated and promising future. Social media is one of the most important aspects that has affected each person in this modern time.

According to Heidi Cohen, Social Media are the platforms that enable the interactive web by engaging users to participate in, comment on and create content as means of communicating with their social graph, other users and the public. The power of social media has changed most of the things in our daily life. Social media has revolutionized and completely changed the way we send and receive information. **It** is more interactive, can be done in real-time and uses a wide number of media like text, audio, video, pictures, graphics and more. With these sites, sending and receiving messages offline and in real-time, audio and video chatting, sharing pictures, video and text, going "Live" to many audiences, meeting old friends and making new ones have revolutionized our way of establishing connections with others.

There are also negative sides to the innovation of social media and its usage. An increase in cybercrime, invasion of privacy, security threats, etc. are some of the issues associated with social networks. But at the same time, social networks are working to cope with the increasing problems that arise with the improper use of it. With more and more sophistication and versatility of use, social media have undoubtedly proved to be a **boon** to connectivity and social interaction between people in this age of communication and information technology.

(Adapted from <https://arjungelal.wordpress.com/>)

31. Which of the following could serve as the best title for the passage?
- A. Social Media - One of the Greatest Inventions of the 21st Century
B. How Positive Social Media Changes Our Lives?
C. Advantages and Disadvantages of Social Media
D. Important Inventions in Modern Society
32. What does the word "**it**" in paragraph 2 refer to?
- A. information B. the way C. social media D. the power
33. The following are benefits brought by social media mentioned in paragraph 2, **EXCEPT** ____.
- A. connecting people all over the world
B. keeping contact with others via various ways
C. helping people exchange information in a more interactive way
D. increasing the private invasion of users
34. According to the passage, which of the following sentences is **TRUE**?
- A. The new inventions remain the way we interact with each other.
B. It's unlikely for people to process documents on social media.
C. Using social media improperly will increase the problems for users.
D. People nowadays send and receive more online messages than normal.
35. The word "**boon**" in the last paragraph is closest in meaning to ____.
- A. benefit B. drawback C. challenge D. advance

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

36. Tim: Hello, I'm looking for a laptop. Can you recommend a good one to me? -Shop assistant: _____
- A. Certainly. B. Never mind. C. Not now. D. That's great.
37. Tim: I'd like a cheap and light computer. -Shop assistant: _____
- A. Feel free to ask me. B. Let me know about it.
C. Can you buy it? D. I think this laptop is the best one for you.

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

38. He has never driven another car since he started driving.
- A. This is only the car he has driven since he started driving.
B. This is the only car he has driven since he started driving.
C. This is the first car he drove since he started driving.

- D. The first car he drove was this one since he started driving.
39. The last time I watched TV was a week ago.
- A. I have watched TV for a week. B. I have never watched TV for a week.
C. I had my last TV show a week ago. D. I haven't watched TV for a week.
40. We have never experienced such a cold winter in Vietnam before.
- A. It's the coldest winter we have ever experienced in Vietnam.
B. It's one of the cold winters we have experienced in Vietnam.
C. A cold winter we have experienced in Vietnam is before this year.
D. Never have we experienced a cold winter in Vietnam before.