

山口学芸大学 入学試験問題

(令和 7 年度 一般 2 期)

外国語 (英語)

(時間 70 分)

I 次の英文を読んで各設問に答えなさい。

Artificial Intelligence (AI) is the simulation of human intelligence in machines (acting like a human brain). These machines are (A) to think, learn, and solve problems like humans. One exciting area within AI is machine learning, which allows computers to learn from data. (B) of following instructions given by their creators, machines use programs to identify patterns and make decisions from the patterns. For example, when you use a streaming service like Netflix, machine learning helps recommend shows and movies based on your viewing history.

Smart devices are electronic gadgets that can (C), share, and interact with their users and other smart devices. Examples include smartphones, smartwatches, and smart speakers like Amazon Echo. These devices often rely on big data – extremely large datasets that can be analyzed to reveal trends and patterns. Companies use big (D) to improve products, understand customer behavior, and make business decisions.

(E) Voice assistants like Siri, Alexa, and Google Assistant use AI to understand and respond to voice commands. They can perform tasks such as setting reminders, playing music, and providing weather updates. Meanwhile, robots are machines capable of carrying out a complex series of actions automatically. Robots are increasingly used in manufacturing, healthcare, and even homes to perform tasks that are repetitive or dangerous for humans.

Automation is the use of technology to perform tasks without any human involvement. It becomes more efficient and reduces errors from the automotive to the agriculture industry. (F) In entertainment and education, Virtual Reality (VR) is making waves too. VR creates a completely immersive digital environment where users can interact as if they are actually there. These technologies are used for gaming, training simulations, and interactive learning experiences.

Chatbots are AI programs that can create a conversation with users in natural language. They are used in customer service to provide instant responses and assistance for customers. Language translation services like Google Translate use AI to convert text or speech from one language to another, helping people communicate across different languages more easily.

Week 5: Artificial Intelligence. (n.d.). Open Wa.

<https://openwa.pressbooks.pub/cain01/chapter/week-5-artificial-intelligence/>

1. 括弧 (A) に補う語として最も適切なものを (a) ~ (d) の中からひとつ選んで、その記号で答えなさい。

(a) programs (b) programming (c) program (d) programmed

2. 括弧 (B), (C), (D) に補う語として最も適切なものを (a) ~ (f) の中からひとつ選んで、その記号で答えなさい。ただし、同じ記号を2回以上使用しないこと（大文字で始まる語も小文字で示している）。

(a) connect (b) indeed (c) data (d) instead (e) complete (f) dates

3. 下線部 (E) を日本語に訳しなさい。
4. 下線部(F)の技術がどのように使われているかを日本語で書きなさい。
5. 本文の内容に関する(1)から(3)の問いの答えとして、最も適切なものを、(a)～(c)の中からひとつ選んで、その記号で答えなさい。

(1) What is the main theme of this article?

- (a) Everyone needs to learn about AI so that they can use new technology.
- (b) Humans will no longer need to work because of AI.
- (c) AI is a very useful technology that can help humans in various ways.

(2) Which statement is false?

- (a) Chatbots are now more skilled and likable than real humans.
- (b) Chatbots often use natural language to communicate with users.
- (c) Google Translate uses AI to change text or speech from one language to another.

(3) What does the article say about Voice assistants?

- (a) Siri, Alexa, and Google Assistant can be used to play games and provide emotional support.
- (b) Voice assistants can help write essays, talk about relationships, and help make music.
- (c) Siri, Alexa, and other voice assistants can help give weather conditions, play music, and create reminder lists.

6. AIについて、また将来私たちの生活においてAIが果たす役割についてどう思いますか？
あなたの考えを40～60語で英語で書いてください。

II 次の各文の空所に入れるのに最も適切なものを(a)～(d)の中からひとつ選んで、その記号で答えなさい。

1. The test was very (), but I still enjoyed the experience.

- (a) challenge
- (b) challenged
- (c) challenges
- (d) challenging

2. I think doing sports outside is () than playing video games inside.

- (a) most
- (b) best
- (c) better
- (d) good

3. If you want to make a delicious cake, then be sure to () the best ingredients, especially pure Belgium chocolate.

- (a) used
- (b) buy
- (c) read
- (d) understand

4. After competing with several other impressive students, she succeeded in () the students' council president for her university.

- (a) becoming (b) became (c) wanting (d) trying

5. After you finish practising with your group for your English () test, please remember to shut off the lights and turn off the heater.

- (a) present (b) presentation (c) place (d) perform

6. Even in Japan, some Japanese people cannot understand what others are saying because they use very different forms of (), such as when people from Osaka and Fukuoka talk to people in Yamaguchi-Ken.

- (a) spelling (b) grammar (c) expressions (d) rules

7. The price of gas has been very () lately, which has forced the increase in prices of almost everything to much higher levels than even half a year ago.

- (a) highest (b) cheap (c) long (d) expensive

8. Ms. Smith is such a () teacher. She always wants students to help each other and to express their own thoughts and feelings as much as possible.

- (a) relaxing (b) Nasty (c) great (d) slow

9. A: Can I ask you a favour, if you do not mind, William?

B: I do not understand the math homework, and was () if you could help me.

- (a) wondering (b) watching (c) feeling (d) remembering

10. A: I have been thinking a lot about my future lately, and where I will be in five years.

B: Well, I hope you still have time right now, because we are () a party tomorrow night. Can you come?

- (a) closing (b) having (c) cooking (d) breaking

III 文脈に合うように、[]内の語句を並べ替えて英文を完成させなさい。与えられた語句はすべて使用すること。なお、回答欄には番号で記入すること。

1. Before watching TV, [① to ②needs ③she ④Sue ⑤understand] has music homework to finish.
2. [① a②Bill ③to ④plans ⑤video ⑥game ⑦enter] tournament this Saturday.
3. The weather [① warmer ②is ③a ④getting ⑤lately ⑥bit], but I think we might still get some snow.
4. Jason [①sometimes ②to bed ③likes ④to exercise ⑤before ⑥going].
5. Phil [①hard work ②is ③believes ④the ⑤that ⑥to success ⑦only road].
6. Mary thinks cooking [①to eat ②and relax ③way ④ a great ⑤is ⑥healthy].
7. Did you know [①English is ②speakers ③that ④non-native ⑤mainly by ⑥spoken]?
8. The book [①real hero ②the ③based on ④life of ⑤a ⑥was].
9. Many people [①feel ②together ③of us ④the two ⑤to be ⑥meant ⑦are].
10. Sabrina [①problem ②feels that ③can be ④ hugging ⑤every ⑥solved by] her cat.

IV 次の2つの会話の空所(1)~(8)にあてはまる最もふさわしいものを、(a)~(h)の中から選び、その記号で答えなさい。ただし、同じ記号を2回以上使用しないこと。

Dialogue 1

Leonardo: (1) I want to make a new movie.

Rihanna: Oh, that sounds great. What kind of movie do you want to make?

Leonardo : (2) However, I am thinking about making an action musical film.

Rihanna: That sounds great, but I wonder who you can find to do the singing. (3)

Leonardo : I have thought about many different singers and actors, and I think you would be perfect for the lead!

Rihanna: Do you really think so! I mean, I may have to think about it first.

Leonardo : I am happy you sound interested. (4)

Dialogue 2

Teacher: (5)

Student: What is so special about the project?

Teacher : Well, we are hoping to start a new overseas English travel program at our school.

Student: (6) Would we need to book flights, talk to foreign teachers, and travel?

Teacher: (7)

Student: I think I may be able to help. When will the program be starting?

Teacher : Actually, I thought you might be interested, so here is the travel director's guidebook. Congratulations, you start today!

Student: (8)

(a) Do you think you might need my voice?

(b) However, don't take too much time to think about it, now is your time!

(c) I've been thinking a lot lately.

(d) We are looking for a motivated student for a special project.

(e) What would the job require?

(f) I'm not quite sure just yet.

(g) Leadership skills are a must, and great English communication skills would help greatly!

(h) No way, are you serious? I can't wait to tell my mom!