

I. READING

Artificial intelligence today is properly known as narrow AI (or weak AI), which is designed to perform a narrow task (e.g. only facial recognition or only Internet searches or only driving a car). However, the long-term goal of many researchers is to create *general AI* (or *strong AI*). While narrow AI may outperform humans at whatever its specific task is (e.g. playing chess), strong AI would outperform humans at nearly every cognitive task. But what will happen if the quest for strong AI succeeds and an AI system becomes better than humans at all cognitive tasks? As pointed out by I. J. Good in 1965, designing smarter AI systems is itself a cognitive task. Such a system could potentially undergo recursive self-improvement, triggering an intelligence explosion leaving human intellect far behind. By inventing revolutionary new technologies, such superintelligence might help us eradicate wars, disease, and poverty, and so the creation of strong AI might be the biggest event in human history. Some experts have expressed concern, though, that it might also be the last, unless we learn to align the goals of the AI with ours before it becomes superintelligent.

Most researchers agree that a superintelligent AI is unlikely to exhibit human emotions like love or hate. Instead, when considering how AI might become a risk, experts think two scenarios are most likely:

1. The AI is programmed to do something devastating: autonomous weapons are AI systems that are programmed to kill. In the hands of the wrong person, these weapons could easily cause mass casualties.
2. The AI is programmed to do something beneficial, but it develops a destructive method for achieving its goal: this can happen whenever we fail to fully align the AI's goals with ours, which is difficult. If you ask an obedient intelligent car to take you to the airport as fast as possible, it might get you there chased by helicopters and covered in vomit, doing not what you wanted but literally what you asked for.

As these examples illustrate, the concern about advanced AI isn't malevolence but competence. A super-intelligent AI will be extremely good at accomplishing its goals, and if those goals aren't aligned with ours, we have a problem. You're probably not an evil ant-hater who steps on ants out of malice, but if you're in charge of a hydroelectric green energy project and there's an anthill in the region to be flooded, too bad for the ants. A key goal of AI safety research is to never place humanity in the position of those ants.

1. As it is mentioned in the article, what should humanity do to avoid risks while developing AI?

- ☐ A) learn how to synchronize AI's goals with humans'
- ☐ B) develop destructive methods for achieving their goals
- ☐ C) inhibit emotions like hate or love
- ☐ D) outperform AI at nearly every cognitive task

2. Based on the information presented in the article, what is a possible scenario of developing AI?

- ☐ A) AI would be able to exhibit human emotions
- ☐ B) being malignly utilized, AI could lead to mass casualties
- ☐ C) AI would be able to align with humans' goals well
- ☐ D) AI would allow humans to become superintelligent

3. Based on its use in paragraph 1, what kind of tasks would strong AI perform?

- ☐ A) driving a car
- ☐ B) internet searches
- ☐ C) cognitive
- ☐ D) playing chess

4. As it is mentioned in paragraph 2, what does the term „casualties” depict?

- ☐ A) an indiscriminate and brutal slaughter of people
- ☐ B) acute shortage of anything
- ☐ C) an object designed or used for inflicting bodily harm or physical damage
- ☐ D) people killed or injured in a war or accident

5. According to the article, what are the benefits of further development and utilization of AI?

- ☐ A) execution of cognitive tasks
- ☐ B) obtainment of superintelligence
- ☐ C) creation of revolutionary technology, eradication of poverty and wars
- ☐ D) design of autonomous weapons programmed to kill

II. COMMUNICATION AND VOCABULARY

6. A: Come in, Chris. Take a seat. Coffee?

B:

- ☐ A) Well, that's good to know.
- ☐ B) Yes, it's something I like. I like challenges.
- ☐ C) No, thanks.
- ☐ D) Oh, I'm sorry to hear that.

7. A: Good afternoon. How can I help you?

B:

- ☐ A) It's my laptop. It keeps on going wrong all the time.
- ☐ B) Is this a good time to call?
- ☐ C) Yes. Go ahead.
- ☐ D) Ok, thanks for your question.

8. A: Welcome back, Helen. How was your trip to India?

B:

- ☐ A) Oh, really? What makes you say that?
- ☐ B) I'm glad to hear that. Tell me more.
- ☐ C) If you can spare me some time later today, I'll bring you up to date.
- ☐ D) Oh, it could have gone better. If you have a few minutes, I'll fill you in on everything.

9. A: My boss keeps on giving me extra work and I don't know when I'll be able to do it all.

B:

- ☐ A) OK. That's everything I want to say for the moment.
☐ Б) I think you should ask for an extension on the deadline.
☐ В) OK. But in the meantime, what about this report?
☐ Г) What do you mean by "extra work"?

10. A is a hardware device that connects a computer or router to a broadband network.

- ☐ A) motherboard ☐ Б) CPU
☐ В) modem ☐ Г) RAM

11. A is a family group consisting of two parents and their children (one or more).

- ☐ A) family-in-law ☐ Б) extended family
☐ В) nuclear family ☐ Г) blended family

12. A dish of melted cheese served in a pot over a portable stove heated with a candle or spirit lamp, and eaten by dipping bread into the cheese using long-stemmed forks.

- ☐ A) fondue ☐ Б) dolma
☐ В) ramen ☐ Г) couscous

13. A is an overflow of water that submerges land that is usually dry.

- ☐ A) volcanic eruption ☐ Б) tsunami
☐ В) hurricane ☐ Г) flood

14. Nobody likes Peter very much because he's so annoying. He's a right

- ☐ A) eager beaver ☐ Б) pain in the neck
☐ В) wallflower ☐ Г) clock-watcher

15. The of the film is fantastic. I think it will win an Oscar.

- ☐ A) soundtrack ☐ Б) lead singer
☐ В) backing ☐ Г) album

III. GRAMMAR

16. While we on the project our boss on a beach in Greece!

- ☐ A) will be working / will relax
☐ Б) are working / will be relaxing
☐ В) were working / will relax
☐ Г) are working / will have relaxed

17. I want to be a GP but now I'm more interested in research.

- ☐ A) was used to ☐ Б) got used to
☐ В) would ☐ Г) used to

18. Sam well at school but that changed when he became friends with a different group of boys.

- ☐ A) did ☐ Б) had done
☐ В) had been doing ☐ Г) is doing

19. I prefer with customers but I don't mind out the animals and them.

- ☐ A) dealing / cleaning / to feed
☐ Б) dealing / to clean / to feed
☐ В) to deal / to clean / feed
☐ Г) dealing / cleaning / feeding

20. You won't lose any money you think of it as a long-term investment.

- ☐ A) provided that ☐ Б) in case
☐ В) unless ☐ Г) as soon as

21. I'm certain it extremely hot there.

- ☐ A) will have been ☐ Б) was going to be
☐ В) will be ☐ Г) is being

22. We a bus and then through the mountains.

- ☐ A) will be hiring / be driving
☐ Б) are going to hire / are going to drive
☐ В) will hire / will drive
☐ Г) are going to hire / drive

23. I'll never forget you that cold winter's day.

- ☐ A) meeting ☐ Б) to meet
☐ В) have been meeting ☐ Г) meet

24. When I was a child, if I my mom, she me extra pocket money.

- ☐ A) would help / would give
☐ Б) helped / gave
☐ В) helped / would give
☐ Г) would help / gave

25. From this graph we can see that the economy at the moment.

- ☐ A) improves ☐ Б) improve
☐ В) has been improving ☐ Г) is improving

26. If I wear my mom's old wedding dress, it will have to be, because I'm not as slim as she was.

- ☐ A) let out ☐ Б) let down
☐ В) let in ☐ Г) let off

27. The match was cancelled it was snowing.

- ☐ A) on the contrary ☐ Б) consequently
☐ В) due to the fact that ☐ Г) therefore

28. The navy have promised to a fund for the families of the dead sailors.

- ☐ A) set aside ☐ Б) set up
☐ В) set out for ☐ Г) set out on

29. Bill Murray for the police force.

- ☐ A) got used to work ☐ Б) didn't used to work
☐ В) used to work ☐ Г) would have been working

30. We know your holiday was spoiled, but we hope this refund will the inconvenience.

- ☐ A) make up ☐ Б) make up for
☐ В) make out ☐ Г) get down to