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**TADS 21 EVALUATION – 29/11/2021**

**Leia o texto abaixo e responda as questões.**

**The future of artificial intelligence**

In the last decade, artificial intelligence has gone from a science fiction dream to a critical part of our everyday lives. We use AI systems to interact with our phones through Siri and Alexa, cars like Teslas interpret and analyze their surroundings to intelligently drive themselves, Amazon monitors our browsing habits and intelligently serves us up products **it** thinks we’d like to buy, and even Google decides what kinds of search results to give us based on who it thinks we are. Artificially intelligent algorithms are here, **they**’ve already changed our lives for better or worse. But this is only the beginning, and one day we’ll look back at AI in 2020 and laugh about how primitive it was. Because in the future, AI is going to change everything. But do we want it to? Well, what exactly is AI? Maybe a better question might be: what exactly is “intelligence”? The simplest descriptor is collecting data about the world, and using that data to make predictions in the short and long term. That applies to both people and machines. So when we talk about AI in our lives, we’re talking about everything from a computer being able to read a handwritten document, like an OCR reader, to a robot performing complex surgery on its own, to a massive database categorizing your personality based on what you’ve written and looked at online. Because the world of AI is so incredibly large, let’s take a look at some of the most groundbreaking developments we expect to see in the very near future, and whether that’s a step forward or backward for society. First and foremost, AI systems are already primed to take over thousands, if not millions of jobs. Any job that consists of a human taking down information from other humans, and inputting it into a system is likely to go obsolete. So cashiers, receptionists, telemarketers and bank tellers are all on their way out. As self-driving cars, self-operating drones, and other conveyors from A-to-B get more complex, we’ll also lose jobs like truck drivers, postal workers, courier services, and even pizza delivery. Factories are also becoming fully automated, so are car washes, and movie theaters. Even my job, as a journalist, is threatened by rapidly improving news algorithms that can gather information and deliver it faster, and more accurately. As we develop better AI, we’re discovering that it can not just replace human labor, but also think in ways that humans can’t. Algorithms that can monitor and process massive amounts of data, and make conclusions based on patterns in that data are poised to change every avenue of society. Starting from something small, like optimizing traffic patterns over time to figure out the best routes to take, or how to fix roads and rebuild highways. To something much more serious, like monitoring epidemics and disease, and stopping them before they spread. Machine learning has even shown to analyze human behavior, and predict warning signs by recognizing common language used by people like sexual predators or terrorists, and alerting law enforcement to take action. Then again, that same technology can be used to track down political dissidents, or serve fake news to vulnerable people while blocking out competing opinions and information. The more we study and develop artificial intelligence, the clearer it becomes that this massively powerful tool comes with a great deal of responsibility. As futurists try to plan out a rapidly changing and advancing world, the biggest hurdle isn’t technological, but economic and political. Just a few tech monopolies control the latest breakthroughs in data collecting, processing, and analyzing - and while we may hope that AI will help advance our society, itmay just end up working to benefit the tech industry and only those who can afford to take advantage of cheaper, smarter human replacements – maybe to the detriment of society. For now, we just don’t know what the future holds.

Adapted from <https://www.youtube.com/watch?v=XvzNuw5VjBU>

**1) De acordo com o conteúdo do texto, decida se as afirmações abaixo são verdadeiras (V) ou falsas (F) e assinale a alternativa que apresenta a sequência correta:**

I.  É possível que a Inteligência Artificial sirva apenas para beneficiar a indústria de tecnologia ao invés de contribuir para o desenvolvimento da nossa sociedade.

II.  A empresa automotiva Tesla desenvolve carros inteligentes e autônomos, capazes de planejar a melhor rota e desviar de obstáculos no caminho.

III.  Por meio da Inteligência Artificial será possível monitorar doenças e epidemias impedindo que elas se espalhem.

IV.  A Inteligência Artificial, embora bastante desenvolvida, ainda não faz parte do cotidiano das pessoas.

**Escolha uma opção:**

1. V – V – F – F
2. F – V – V – V
3. F – V – F – F

**RESPOSTA:**

**I – F**

**II – V**

**II – V**

**IV – F**

**2) No texto são mencionados alguns exemplos de aplicação da Inteligência Artificial. Marque a alternativa abaixo que é citada no texto:**

1. Otimização de padrões de tráfego para descobrir rotas melhores.
2. Análise do comportamento humano auxiliando o trabalho de psicólogos e psiquiatras.
3. Substituição do trabalho humano em algumas áreas, embora não seja capaz de desenvolver raciocínios diferentes do ser humano.
4. Análise e síntese da voz humana, auxiliando pessoas portadoras de deficiências a interagir com os computadores.

**RESPOSTA: A**

**3) Cite um exemplo, mencionado no texto, de empreendimento que está se tornando totalmente automatizado: Fabricas**

**4) No início do texto, foram destacados em negrito e vermelho dois pronomes. A que elementos, citados anteriormente no texto, eles se referem:**

a) it: Amazon

... Amazon monitors our browsing habits and intelligently serves us up products **it** thinks we’d like to buy…

b) they: Artificially Intelligent algorithms

Artificially intelligent algorithms are here, **they**’ve already changed our lives for better or worse.

**5) Traduza o seguinte trecho extraído do texto:**

“Algorithms that can monitor and process massive amounts of data, and make conclusions based on patterns in that data are poised to change every avenue of society.”

**RESPOSTA:** Algoritmos que podem monitorar e processor massivas quantidades de dados, e fazer conclusões baseadas em padrões dos dados que estão preparados para mudar os rumos da sociedade.