

Instruções

1 Confira se os dados contidos na parte inferior desta capa estão corretos e, em seguida, assine no espaço reservado para isso.

Se, em qualquer outro local deste Caderno, você assinar, rubricar, escrever mensagem, etc., será automaticamente excluído do Vestibular.

Verifique se este Caderno contém 12 questões discursivas, distribuídas de acordo com o quadro a seguir:

2

Inglês

3 Se o Caderno estiver incompleto ou contiver imperfeição gráfica que prejudique a leitura, peça imediatamente ao Fiscal que o substitua.

4 Será avaliado apenas o que estiver escrito no espaço reservado para cada resposta, razão por que os rascunhos não serão considerados.

5 Escreva de modo legível, pois dúvida gerada por grafia, sinal ou rasura implicará redução de pontos.

6 Interpretar as questões faz parte da avaliação; portanto, não adianta pedir esclarecimentos aos Fiscais.

7 Use exclusivamente a Caneta que o Fiscal lhe entregou. Em nenhuma hipótese se avaliará resposta escrita com grafite.

8 Utilize, para rascunhos, qualquer espaço em branco deste Caderno (exceto os reservados para as respostas) e não destaque nenhuma folha.

9 Você dispõe de, no máximo, quatro horas e meia para responder, em caráter definitivo, a todas as questões.

10 Antes de retirar-se definitivamente da sala, devolva ao Fiscal este Caderno.

Assinatura do Candidato: _____

As respostas às questões de Língua Estrangeira deverão ser redigidas em Português.

Responda as questões 1 e 2 de acordo com o texto abaixo.

Future Hot Careers: Space Tourism to Genetic Counseling

In our information-rich society there is an ever increasing demand for workers in the fields of computers, health care, science and space technology—much of it driven by the demands of the retiring baby boomers. If you like to plan ahead, here is sampling of some of the jobs that will be hot in the next several years and beyond.



Genetic Counseling

Doctors will be able to test for dozens of genetic markers and predict when a person will likely experience a genetically based condition. With more tests and treatments available, genetic counselors will be needed to help individuals and families make decisions about genetic technologies as it applies to science and personal beliefs. Today, about 2,000 counselors are recognized by the American Board of Genetic Counseling.

Space Tourism

While this one may sound far-fetched, the entire industry of space tourism is poised to “take off”. There are already 200 reservations for space flights. Space Adventures plans on hiring about 10 space tour guides to start, said spokeswoman Stacey Tearne. The world’s first space hotel is also set to open, which could be the beginning of a whole new sector of jobs which will require the merging of space smarts with great hospitality.

Roboticists

In a way, robots have already taken over the world. The components, processors and sensors for robots are getting cheaper every quarter, said Paul Saffo, a technology forecaster. Hundreds of new applications for robots are already being developed. Robots already work in research laboratories, factories, hospitals, daycares and housekeeping, and the trend is only expected to grow as the field progresses.

Disponível em: <http://www.dailygalaxy.com/my_weblog/2008/08/future-top-10-h.html>. Acesso em: 31 de maio de 2012. [Adaptado].

Questão 1

Em relação aos avanços da genética apresentados no texto,

A) o que os médicos poderão fazer no futuro?

B) qual será o papel dos consultores genéticos?

Espaço destinado à Resposta

Fim do Espaço destinado à Resposta

Questão 2

De acordo com o texto, a indústria do turismo espacial está pronta para decolar. Mencione os três fatos que permitem ao autor fazer essa afirmação.

Espaço destinado à Resposta

Fim do Espaço destinado à Resposta

Responda as questões 3 e 4 de acordo com o texto abaixo.

An Outsider Calls for a Teaching Revolution



Alison Yin for The Chronicle

Salman Khan's short educational videos are available free online. "I can't think of a higher-impact use of my time", he says

By Jeffrey R. Young

In just a few short years, Salman Khan has built a free online educational institution from scratch that has nudged major universities to offer free self-guided courses and inspired many professors to change their teaching methods.

His creation is called Khan Academy, and its core is a library of thousands of 10-minute educational videos, most of them created by Mr. Khan himself. The format is simple but feels intimate: Mr. Khan's voice narrates as viewers watch him sketch out his thoughts on a digital whiteboard. He made the first videos for faraway cousins who asked for tutoring help. Encouraging feedback by others who watched the videos on YouTube led him to start the academy as a nonprofit [...].

Mr. Khan also works the speaking circuit, calling on professors to move away from a straight lecture model by assigning prerecorded lectures as homework and using class time for more interactive exercises, or by having students use self-paced computer systems like Khan Academy during class while professors are available to answer questions.

Mr. Khan, now 35, has no formal training in education, though he does have two undergraduate degrees and a master's from MIT, as well as an M.B.A. from Harvard. He spent most of his career as a hedge-fund analyst. Mr. Khan also has the personal endorsement of Bill Gates, as well as major financial support from Mr. Gates's foundation. That outside-the-academy status makes some traditional academics cool on his project.

Disponível em: <<http://chronicle.com/article/Salman-Khan/130923>>. Acesso em: 31 maio 2012. [Adaptado].

Questão 3

No que diz respeito à revolução no ensino proposta por Salman Khan,

A) o que é a *Khan Academy* e qual o conteúdo de sua biblioteca?

B) como surgiu e como se expandiu a ideia que resultou na criação da *Khan Academy*?

Espaço destinado à Resposta

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Questão 4

Por que Salman Khan é considerado um *outsider*?

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