



Fundação de Apoio ao Desenvolvimento
da Universidade Estadual de Londrina

PREFEITURA MUNICIPAL DE MARINGÁ

CONCURSO PÚBLICO - EDITAL Nº 009/2018

DATA DA PROVA: 01/07/2018 - MANHÃ

CARGO: PROFESSOR 20HS - LÍNGUA INGLESA (NÍVEL SUPERIOR)

Língua Portuguesa: 01 a 05; Matemática: 06 a 10;

Informática: 11 a 15; Conhecimentos Específicos: 16 a 40.

LEIA AS INSTRUÇÕES ABAIXO ANTES DE INICIAR A PROVA

1	Identifique-se na parte inferior da capa deste caderno de questões.
2	A prova terá duração de 4 (quatro) horas, incluindo o tempo de preenchimento do cartão-resposta.
3	Utilize caneta esferográfica azul ou preta no preenchimento do cartão-resposta.
4	O candidato só poderá retirar-se da sala após 1 (uma) hora do início das provas, seja para ir embora ou para utilizar os sanitários.
5	Este caderno de provas contém 40 (quarenta) questões de múltipla escolha (a,b,c,d).
6	Cada questão de múltipla escolha apresenta uma única resposta correta.
7	Verifique se o caderno está completo e sem imperfeições gráficas. Se houver algum problema, comunique imediatamente ao fiscal.
8	Durante a aplicação da prova é proibido qualquer tipo de consulta.
9	Este caderno de provas pode ser usado como rascunho, sendo a correção da prova feita única e exclusivamente pela leitura eletrônica dos cartões-resposta.
10	Assine o cartão-resposta no local indicado.
11	Não serão computadas questões não assinaladas no cartão-resposta, ou que contenham mais de uma resposta, emenda ou rasura.
12	Ao término da prova, o cartão-resposta deverá ser devolvido ao fiscal da prova.
13	Depois de entregue o cartão-resposta, não será permitido ao candidato utilizar os sanitários do local de prova.
14	O caderno de prova poderá ser levado somente pelo candidato que se retirar da sala de aplicação de provas no decurso da última hora da realização das mesmas.
15	É obrigatória a saída simultânea dos 3 (três) últimos candidatos, que assinarão a ata de encerramento da aplicação da prova e acompanharão os fiscais à coordenação para lacre do envelope de cartões-resposta.

Identificação do candidato

Nome (em letra de forma)	Nº do Documento

QUESTÕES 01 A 05 - LÍNGUA PORTUGUESA

Leia o texto a seguir e responda às questões de 01 a 05:

A Europa se fixa em Asimov para regular as máquinas autônomas

O acidente de um carro autônomo da Uber em 19 de março, com o atropelamento e morte de um pedestre que cruzava a rua empurrando sua bicicleta em Tempe (Arizona, EUA), voltou a trazer à tona uma questão crucial sobre os robôs: a responsabilidade. A União Europeia quer antecipar-se a um futuro próximo, no qual as máquinas terão um peso fundamental nos acontecimentos, não só trágicos, mas também sociais, econômicos e políticos.

O Parlamento Europeu, em suas recomendações à Comissão para que regulamente o direito civil sobre a robótica, estabeleceu algumas premissas básicas colocadas já em meados do século passado por Isaac Asimov, o visionário cientista de origem russa, que faleceu em Nova York em 1992:

1. Um robô não causará danos a um ser humano nem permitirá que, por inação, este sofra danos

2. Um robô obedecerá às ordens que receber de um ser humano, a não ser que as ordens entrem em conflito com a primeira lei

3. Um robô protegerá sua própria existência na medida em que dita proteção não entre em conflito com as leis primeira e segunda.

Estas leis se resumem em uma denominada 0: "Um robô não causará danos à humanidade nem permitirá que, por inação, esta sofra danos".

(Trecho. Raúl Limón. El País Brasil. 4 de maio de 2018. Disponível em: https://brasil.elpais.com/brasil/2018/04/24/tecnologia/1524562104_998276.html)

01. O texto acima tem como objetivo:

- Esclarecer as causas do acidente envolvendo um carro autônomo.
- Alertar a respeito dos riscos do uso de carros autônomos em grandes cidades.
- Informar sobre preocupação de alguns países quanto à responsabilidade das máquinas.
- Criticar o uso indiscriminado de robôs no auxílio de tarefas diárias.

02. "Um robô não causará danos a um ser humano nem permitirá que, por **INAÇÃO**, este sofra danos"

Assinale a alternativa que contém uma palavra que pode substituir a que está destacada sem prejuízo

para a coerência da afirmação.

- Inércia.
- Estado de vazio.
- Iniciativa própria.
- Imposição.

03. A respeito dos verbos destacados a seguir, considerando a construção da oração em que se encontram, assinale a alternativa CORRETA.

- Um robô não CAUSARÁ danos a um ser humano nem PERMITIRÁ que, por inação, este sofra danos.
- Um robô OBEDECERÁ às ordens que receber de um ser humano.
- Um robô PROTEGERÁ sua própria existência.

- Os verbos "permitirá" e "protegerá" exigem complemento preposicionado.
- O verbo "protegerá" não exige um complemento.
- O verbo "obedecerá" exige complemento sem preposição.
- O verbo "causará" exige dois complementos, um deles é preposicionado.

04. *Estas leis se resumem em uma denominada 0: "Um robô não causará danos à humanidade nem permitirá que, por inação, esta sofra danos".*

Assinale a alternativa INCORRETA acerca dos sinais de pontuação do trecho destacado acima.

- Os dois pontos introduzem uma citação.
- A vírgula após "inação" pode ser retirada sem acarretar falha gramatical.
- As aspas destacam uma transcrição de citação.
- As vírgulas entre "por inação" isolam a expressão intercalada.

05. Assinale a alternativa em que ambas as palavras são acentuadas conforme a mesma regra.

- Robôs - só.
- Século - visionário.
- Máquina - políticos.
- Econômicos - causará.

QUESTÕES 06 A 10 - MATEMÁTICA

06. O cone circular é considerado reto quando a projeção ortogonal do vértice sobre o plano da base é o ponto central da base. A altura de um cone circular reto mede o dobro da medida do raio da base e o comprimento da circunferência dessa base é 20π cm, então o volume desse cone é: (adote $\pi = 3$).

- a) 2.000 cm³
 - b) 3.000 cm³
 - c) 5.000 cm³
 - d) 6.000 cm³
-

07. Desejando medir a altura de um prédio, um homem de um ponto A, a partir do solo, consegue enxergar o topo do prédio conforme um ângulo de 30° e ao se aproximar horizontalmente 14 metros do prédio, também a partir do solo, consegue ver o topo do prédio conforme um ângulo de 45°. A altura do prédio é igual a: (adote $\text{tg } 30^\circ = 0,6$).

- a) 12 m
 - b) 14 m
 - c) 16 m
 - d) 21 m
-

08. Um maratonista percorre, treinando intensivamente, 200 km em 5 dias, correndo 4 horas por dia. Mantendo o mesmo ritmo, o número de dias necessários para percorrer 360 km, correndo 6 horas por dia, é de:

- a) 5
 - b) 6
 - c) 8
 - d) 10
-

09. Mariano tomou um empréstimo de R\$ 2.000,00 no regime de juros compostos com taxa de 4 % a.m. Contudo, após dois meses, Mariano pagou R\$ 1.000,00 e dois meses após esse pagamento, quitou sua dívida. O valor total pago por Mariano foi de aproximadamente:

- a) R\$ 1.258,00
 - b) R\$ 2.158,00
 - c) R\$ 2.258,00
 - d) R\$ 2.786,00
-

10. Três gerentes de uma grande rede de hotéis no Brasil foram premiados com uma viagem internacional. Um gerente trabalha em Curitiba, outro em Maringá e o outro em Foz do Iguaçu. Um deles se chama Carlos, o outro Manoel e o outro Jairo. Sabe-se que cada um fará uma viagem a um continente diferente, um vai à Europa, o outro à Ásia e o outro à Oceania.

Os gerentes deram as seguintes informações:
O que trabalha em Curitiba não vai à Ásia e nem à Oceania.

O que trabalha em Maringá não se chama Manoel e nem Jairo.

O que trabalha em Foz do Iguaçu e o Manoel não vão à Ásia.

De acordo com essas informações podemos concluir que:

- a) O que trabalha em Curitiba é o Carlos e vai à Europa.
 - b) O que trabalha em Foz do Iguaçu é o Jairo e vai à Ásia.
 - c) O que trabalha em Curitiba é o Manoel e vai à Europa.
 - d) O que trabalha em Maringá é o Carlos e vai à Oceania.
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QUESTÕES 11 A 15 - INFORMÁTICA

11. Configurando um Endereço IP, qual é o protocolo de internet que suporta no máximo 32bits nesta configuração?

- a) IPV4
 - b) TCP/IP
 - c) IPV5
 - d) IPV6
-

12. Considerando o MS Excel 2013 a coluna B7 possui a seguinte expressão: =SOMA(MED(A1;C1;B2)*C2).

Utilizando a tabela abaixo qual é o resultado impresso na coluna B7?

	A	B	C	D
1	15	8	10	7
2	11	55	9	5
3	22	101	6	5
4	33	1	102	35
5				
6				
7	Resultado			

- a) 81
 - b) 135
 - c) 270
 - d) 520
-

13. Qual dos equipamentos abaixo possui uma função central na arquitetura de rede e tem como diferença principal a entrega de dados diretamente da Origem para o Destino?

- a) HUB
- b) Switch
- c) Modem
- d) Servidor

14. Qual a definição do Protocolo ARP?

- a) Protocolo de telecomunicação usado para resolução de endereços da camada de internet.
 - b) Protocolo responsável por criptografar uma mensagem de e-mail.
 - c) Protocolo utilizado para compactar arquivos.
 - d) Protocolo responsável para efetuar Backup nas nuvens.
-

15. Assinale a alternativa que contem apenas memórias voláteis.

- a) Pen Drive – SSD – RAM
 - b) RAM – HD - SSD
 - c) Pen Drive – SSD - HD
 - d) Pen Drive – ROM – HD
-

QUESTÕES 16 A 40 - CONHECIMENTOS ESPECÍFICOS

Instructions: Answer the questions 16 and 17 according to the text below:

Arctic ice may disappear in a decade

A new report on global warming predicts the frozen Arctic Ocean will soon be like a normal sea in the summer. There are shocking changes happening in the polar environment and its fragile eco-systems. For millions of years, the sea around the North Pole has been frozen all year long. Recent research from the World Wildlife Fund (WWF) shows things are changing fast.

They predict that within a decade, the Arctic will be largely ice-free in the summer. They base their prediction on the rate that the sea ice is currently reducing. The lead researcher of the project said that the area is now more likely to become open water each summer, bringing the potential date when sea ice will be completely gone in the summer.

Forecasters predict an increase in all kinds of disasters and extreme weather events; these include massive flooding, much more dangerous hurricanes and the spread of the world's deserts. These new findings provide an urgent call for world leaders to act. Rich countries will face pressure to agree to reduce their carbon emissions by 40 % by 2020.

16. WWF report states that:

- a) The frozen Arctic Ocean is like a normal sea in the summer.
 - b) The sea around the North Pole is frozen all year long
 - c) The entire Arctic Ocean will soon disappear.
 - d) Within a decade, most of the ice from de Arctic Ocean will disappear during the summer.
-

17. According to the text:

- a) World leaders are discussing the reduction of carbon emissions by 40 % by 2020.
 - b) There will be many bad consequences to many parts of the world if the ice from the Arctic Ocean disappears during summer.
 - c) Within a decade, world leaders will gather to discuss the reduction of their carbon emissions.
 - d) For millions of years, the sea around the North Pole has been frozen, but the ice will soon be gone all year long.
-

Instructions: Answer the questions 18 and 19 according to the text below:

Retire later to live longer

Early retirement, as is commonly believed, does not help retirees to live longer. This is the conclusion of a study published the British Medical Journal. The research involved more than 3,500 employees working in Texas over a 26-year period.

The workers retired at 55, 60 or 65 and were monitored to see what effect their age at retirement had on their lifespan. Researchers considered factors such as gender and socioeconomic status in discovering if retiring early is associated with better survival.

The results were astonishing. The life expectancy of employees who retired at 55 was significantly reduced compared with those who retired at the age of 65. The study concluded that retiring early at 55 or 60 was not associated with better survival than retiring at 65, and mortality was higher in employees who retired at 55 than in those who continued working.

The leader of the research, Shan Tsai said that although some workers retired at 55 because of failing health, these results clearly show that early retirement is not associated with increased survival. On the contrary, mortality improved with increasing age at retirement for people from both high and low socioeconomic groups.

18. According to the text:

- a) Retiring early is associated with better survival
 - b) Gender and socioeconomic status are important factors to improve longevity
 - c) The life expectancy of workers who retired after 60 years was higher
 - d) Workers that retired at 55 or 60 lived longer.
-

19. The word "Astonishing" (3rd paragraph) could be correctly replaced by:

- a) Amazing
 - b) Terrible
 - c) Predictable
 - d) Knowable
-

Instructions: Answer the questions 20-22 according to the text below:

Globalization's advantages and drawbacks

Some specialists and economists say that globalization is much like fire. Fire itself is neither good nor bad. Used properly, it can cook food, sterilize equipment, give form to iron objects and heat our homes. Used carelessly, fire can destroy lives, towns and forests in an instant. Globalization, according to them, works in the same way.

Globalization has dangers and an ugly side, especially regarding income concentration and abuse of economic power. But it can also bring tremendous opportunities and benefits. Just as capitalism requires a network of governing systems to keep it from devouring societies, globalization requires vigilance and the rule of law.

Globalization will always have cheerleaders who are blind to the destruction it can cause especially to poorer countries and less fortunate social classes. And it will always have strong opponents blind to the way globalization gives some people their first opportunity to fulfill basic aspirations. But in the end, globalization is something to mold, shape and manage for the benefit of everyone.

20. According to the text:

- a) Globalization can be good to cheerleaders of poor countries.
- b) Rich countries are the only ones who get the real benefits of globalization
- c) Globalization exists only because of capitalism
- d) Globalization needs to be restricted by the rule of law.

21. The text implies that income concentration and abuse of economic power are dangerous because:

- a) Rich countries can use their economic power to force their interests into poor countries, something that can occur in capitalism.
 - b) Capitalism is devouring poor societies, regardless of rich societies' efforts to avoid it.
 - c) Many poor countries use the rule of law to increase their economic power.
 - d) Rich countries can rebel against the poor ones turning capitalism against them.
-

22. Reading the text, it can be understood that its author:

- a) Believes globalization has two sides, and he is against capitalism and globalization.
 - b) Believes globalization has two sides, and he is favorable to globalization, but not to capitalism.
 - c) Believes globalization has two sides, but doesn't give the reader an opinion about how he sees globalization; the text doesn't bring his point of view.
 - d) Believes that globalization has two sides, and gives his opinion about how globalization can be good or bad.
-

23. Regarding the teaching learning process, _____ is a set of principles about the nature of learning, which is translated into the classroom. The term that correctly completes this sentence is:

- a) Teaching Approaches.
 - b) Teaching Strategy.
 - c) Teaching Method.
 - d) Teacher centered approach.
-

24. _____ is a long term plan of action designed to achieve a specific goal. The term that correctly completes this sentence is:

- a) Teaching Approaches.
 - b) Teaching Strategy.
 - c) Student centered Approach.
 - d) Teacher centered Approach.
-

25. Teamwork, partnership and group discussions are very constant learning methods when the teacher uses the _____ Approach. The term that correctly completes this sentence is:

- a) Banking.
- b) Disciplinary.
- c) Collaborative.
- d) Teacher Dominated.

26. When the teacher facilitates the learning process by allowing the learner to discover things from himself/ herself, the teacher normally uses the _____. The term that correctly completes this sentence is:

- a) Indirect Approach.
- b) Disciplinary Approach.
- c) Direct Teaching Approach.
- d) Teacher Dominated Approach.

27. In the metacognitive approach: we can observe that:

- a) The student learns by himself/ herself, with no help from the teacher.
- b) The student is stimulated to reflect about what he/ she has learned and his/her own ways of learning.
- c) The teacher guides directly all the learning process.
- d) The teacher passes knowledge and information by using exercises that stimulate the student's memory.

28. In a context of teaching activity, the "establishment of a set of actions aimed at the systematization of teaching work" is known as:

- a) Teaching Planning.
- b) Metacognitive Approach.
- c) Banking Approach.
- d) Integration.

29. Regarding the Teaching Planning, all characteristics listed below are important, EXCEPT:

- a) Flexibility.
- b) Adequacy to the student's reality.
- c) Constant improvement.
- d) Unrelated actions.

30. Read the following statement: "The organization of school time should take into account the reality of the students. For example, in regions where the majority of the population work in the rural area, the school calendar must take into account the seasons of harvest and off-season". The concern presented here is related to:

- a) Ecology.
- b) Sustainability.
- c) Organization of school's time.
- d) Problems of children who live in rural areas.

31. The concern about sustainability has been a constant in many organizations, and because of that, sustainability has affected many business sectors. The influence of the concern with sustainability on the marketing area caused:

- a) The development of less environmentally sound products.
- b) The creation of non-recyclable packaging.
- c) Shifting focus from promoting consumption to promoting responsible consumption.
- d) Planned obsolescence of products.

32. _____ is the process by which there is a positive variation of variables such as economic growth, improvements in aspects related to quality of life, education, health, infrastructure and changes in the socioeconomic structure of a region and / or country. The term that correctly completes the gap above is:

- a) Economic Development.
- b) Sustainability.
- c) Strategic Planning.
- d) Scenario Analysis.

33. _____ is a systemic concept comprising a global development model that incorporates the aspects of a mass consumption system in which the concern for nature is taken as a priority in order to reconcile the social, ecological and economic dimensions. The gap above can be correctly filled by the term:

- a) Economic Growth.
- b) Sustainable Development.
- c) Economic Development.
- d) Ecotourism.

34. Learning the language in the context in which it is actually used, working with the social and life experience of the student, is a focus observed in the:

- a) Sociointeractionist methodology.
- b) Audiolingual methodology.
- c) Traditional methodology.
- d) Direct methodology.

35. In the _____ methodology, the domain of normative grammar and literal translation is used as a learning method in the study of a foreign language. The term that correctly completes the gap above is:

- a) Sociointeractionist.
- b) Audiolingual.
- c) Traditional.
- d) Direct.

36. "The human being is studied in its unity and in its totality, since it integrates, in the same being, man as body and mind, biological being and social being, member of the human species and participant of a historical process". The text above describes which perspective?

- a) Historical-cultural psychology.
- b) Historical.
- c) Educational psychology.
- d) Development psychology.

37. The _____ advocates learner-centered learning not only in terms of content, but also regarding techniques used in the classroom. In this context, the teacher acts according to the learning needs of the students, showing sensitivity to their interests, leading them to participate more and accepting suggestions. The term that correctly fills the gap above is:

- a) traditional approach
- b) historical approach
- c) communicative approach
- d) psychological approach

38. All the characteristics below can be attributed to the communicative approach, EXCEPT:

- a) Emphasis on the role of the teacher as a transmitter of knowledge.
- b) Introduction of authentic texts in the learning situation.
- c) Intensification of the student's personal experiences as important elements in the contribution to learning in the classroom.
- d) The act of linking language learning in the classroom with language activation outside the classroom.

39. "For a long time linguistic uniformity was sought, so everything that escaped normative grammar was considered an error. The goal was to make speech a faithful transcription of writing in the standard norm. Nowadays, the focus is no longer on the concept of right and wrong, but on the adequate and inadequate, because it is understood that language (process of communicative interaction) is not homogeneous, so there will be levels of languages and levels of speech". The text above:

- a) Is not correct, because the goal when learning a language is still the same; a faithful transcription of writing in the standard norm.
- b) Is not correct, because the achievement of a faithful transcription of writing in the standard norm was never a priority when learning a language.
- c) Is partially correct, because nowadays, all learning methodologies regarding the learning of a foreign language consider levels of learning, but not of speech.
- d) Is correct, because it shows a change in the focus of the learning process regarding the study of foreign languages; from right/wrong to adequate/inadequate.

40. The levels of language and speech are determined by several factors. The factor that raises the issue that every speech made has, to a greater or lesser degree, some kind of intention/ideology is:

- a) Interlocutor.
- b) Environment.
- c) Subject matter.
- d) Intentionality.

GABARITO

PREENCHA SUAS RESPOSTAS NO QUADRO ABAIXO E DESTAQUE NA LINHA PONTILHADA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40					