MARINHA DO BRASIL

DIRETORIA DE ENSINO DA MARINHA

CONCURSO PÚBLICO DE ADMISSÃO À ESCOLA NAVAL
CPAEN/2020

NÃO ESTÁ AUTORIZADA A UTILIZAÇÃO DE MATERIAL EXTRA

1º Dia – Prova de Matemática e Inglês

QUESTÃO 1

Seja a função f definida por $f(x) = \frac{2x^2-2x+1}{2x^2}$, assinale o ponto de inflexão do gráfico da função.

(A) $\left(\frac{3}{2};\frac{5}{9}\right)$
(B) $\left(1;\frac{1}{2}\right)$
(C) $\left(\frac{1}{2};1\right)$
(D) $\left(\frac{2}{3};\frac{5}{8}\right)$
(E) $\left(-1;\frac{5}{2}\right)$

QUESTÃO 2

Seja $cos^2(x-y) = sen(2x)sen(2y)$, para todo x e y reais, dentro do intervalo $(0,\frac{\pi}{2})$. Com base nessa equação, assinale a opção que apresenta a solução de $x+y$.

(A) $\frac{\pi}{2}$
(B) $\frac{\pi}{4}$
(C) $\frac{\pi}{3}$
(D) $\frac{\pi}{6}$
(E) $\frac{\pi}{8}$

QUESTÃO 3

O valor de $\lim_{x\to+\infty} \frac{x^2+6x+9+cos(x)}{x^2+x+9}$ é:

(A) 0
(B) $\frac{5}{9}$
(C) 1
(D) 3
(E) $-\infty$

QUESTÃO 4

O fatorial de 2020 é divisível por 21^n. O maior valor inteiro de n é:

(A) 96
(B) 288
(C) 334
(D) 440
(E) 673

QUESTÃO 5

Sandro é o dono de uma empresa de segurança que tem como empregados Alberto, Thiago, Robson e Rodrigo. Sandro deve realizar pagamento aos seus empregados totalizando um valor de vinte mil reais. Alberto, Thiago, Robson e Rodrigo recebem pagamentos com valor mínimo de dois mil, dois mil, três mil e quatro mil reais, respectivamente. Considerando que cada pagamento realizado aos empregados é múltiplo de um mil reais, assinale a opção que apresenta a quantidade de maneiras distintas que a distribuição do pagamento de vinte mil reais aos funcionários pode ser realizada.

(A) 110
(B) 120
(C) 220
(D) 330
(E) 560

QUESTÃO 6

Um determinado curso de idiomas, que oferece cursos de Alemão, Espanhol, Francês e Italiano, possui 400 alunos frequentando os cursos. O curso possui 840 matrículas em pelo menos um idioma, 710 em pelo menos dois idiomas e 340 em pelo menos 3 idiomas. Quantos alunos estão matriculados em somente um idioma?

(A) 70
(B) 110
(C) 160
(D) 170
(E) 240

QUESTÃO 7

Sejam π_1 e π_2 dois planos cujas equações vetoriais são, respectivamente, $X = (1,0,0) + \beta(1,1,1) + \gamma(-1,0,2)$ e $Y = (2,0,-1) + \alpha(1,2,1) + \lambda(0,1,1)$ com β, γ, α e λ números reais. Assinale a opção que apresenta uma equação vetorial da reta r, dada pela interseção desses planos.

(A) $(1,0,0) + k(2,1,-1), k \in \mathbb{R}$
(B) $(1,0,0) + k(2,-1,1), k \in \mathbb{R}$
(C) $(1,0,0) + k(-2,-1,-1), k \in \mathbb{R}$
(D) $(1,0,0) + k(-2,-1,1), k \in \mathbb{R}$
(E) $(1,0,0) + k(2,1,1), k \in \mathbb{R}$

QUESTÃO 8

Escolhendo aleatoriamente um número do conjunto $\{1; 2; 3; \ldots; 2020\}$, qual é a probabilidade de que o número escolhido e 2020 sejam primos entre si?

(A) $\frac{40}{101}$

(B) $\frac{153}{1010}$

(C) $\frac{293}{1010}$

(D) $\frac{401}{1010}$

(E) $\frac{76}{505}$

QUESTÃO 9

Seja uma elipse centrada na origem de focos A(0; -4) e B. Considere C(4; 4) e P pontos sobre a elipse. Dado o ponto D(3; 2), considere m a distância de D a P e n a distância de P a um dos focos. O menor valor possível de $m + n$ é:

(A) $2.\left(2 + \frac{\sqrt{5}}{2}\right)$

(B) $\left(2 + \frac{\sqrt{5}}{2}\right)$

(C) $2.\left(2 - \frac{\sqrt{5}}{2}\right)$

(D) $2.(2 + \sqrt{5})$

(E) $(2 + \sqrt{5})$

QUESTÃO 10

Considere a equação $x^3 - 3x^2 - 9x + k = 0$, onde k representa os valores para os quais a equação admita um raiz dupla. Assinale a opção que apresenta a soma dos valores de k.

(A) 22
(B) -27
(C) 27
(D) -5
(E) 32

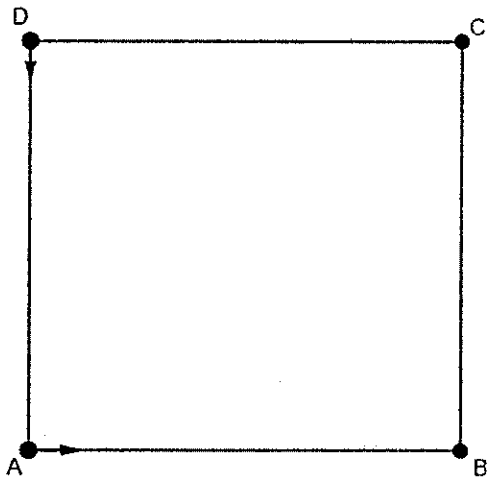
QUESTÃO 11

Seja $S_n = n^2 + n + 1$ a soma dos termos de uma sequência numérica ($n \in \mathbb{N}^*$). Sobre essa sequência assinale a opção correta.

(A) Essa sequência numérica não é uma progressão aritmética.
(B) A diferença entre o quinto e o quarto termo é 3.
(C) Sua razão é 4.
(D) S_n é um número múltiplo de 7.
(E) Seu sétimo termo é 32.

QUESTÃO 12

Em uma pista plana quadrangular com 10 m de lado, um corredor se encontra no vértice A e se locomove com velocidade constante 4v em direção ao vértice B, outro corredor se encontra no vértice D e se locomove com velocidade constante 3v em direção ao vértice A. Sabendo que os corredores começaram a se locomover no mesmo instante de tempo, a menor distância, em metros, registrada entre eles é igual a:



(A) 6
(B) $5\sqrt{2}$
(C) 7
(D) 8
(E) 8,5

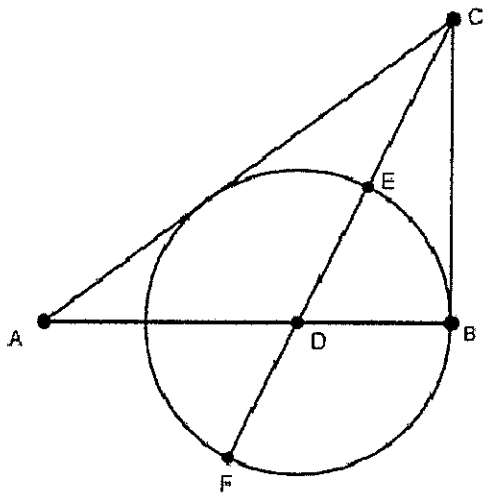
QUESTÃO 13

Assinale a opção que apresenta uma solução, em x e y, do sistema $\begin{cases} \log_5 x + 3^{\log_3 y} = 7 \\ x^y = 5^{12} \end{cases}$.

(A) $x = 125$ e $y = 3$
(B) $x = 3$ e $y = 125$
(C) $x = 625$ e $y = 3$
(D) $x = 4$ e $y = 125$
(E) $x = 3$ e $y = 4$

QUESTÃO 14

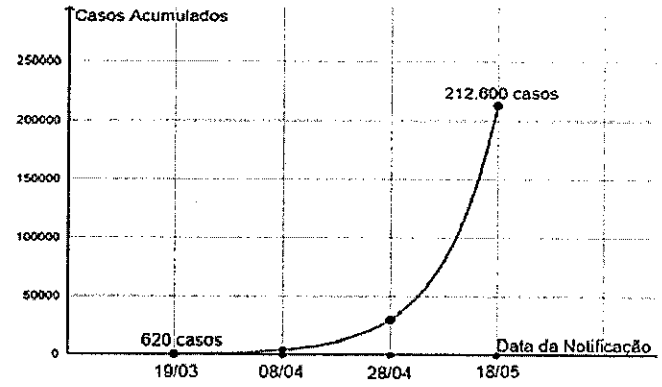
Seja o triângulo ABC, retângulo em B, com $AB = 8\sqrt{2}$ e $BC = 6\sqrt{2}$. Sabendo que $\overline{CD}$ é bissetriz de $A\hat{C}B$, D é centro da circunferência de raio BD e x é a razão $\frac{EF}{CE}$, podemos afirmar que x é tal que



(A) $0 < x \leq 0{,}5$
(B) $0{,}5 < x \leq 1$
(C) $1 < x \leq 1{,}5$
(D) $1{,}5 < x \leq 2$
(E) $2 < x \leq 2{,}5$

QUESTÃO 15

Um determinado país com 220 milhões de habitantes foi acometido por um vírus X. Verificou-se que, no primeiro ano do aparecimento do vírus na população, havia 620 casos acumulados do vírus X no dia 19 de março e constatou-se que a progressão de contaminação do vírus era constante a cada 20 dias até o dia 18 de maio, conforme gráfico ilustrativo abaixo. Considerando que essa progressão continuou constante até o dia 27 de junho, a porcentagem da população nessa data, por casos acumulados, que foi contaminada é de aproximadamente:



(A) 1,7%
(B) 2,4%
(C) 3,5%
(D) 4,7%
(E) 5,6%

QUESTÃO 16

Seja o número complexo z tal que $|z - 5 - 4i| = 2$, onde i é a unidade imaginária. O valor máximo de $|z + 7 + i|$ é igual a:

(A) 12
(B) 14
(C) $6\sqrt{41}$
(D) $7\sqrt{41}$
(E) 15

QUESTÃO 17

Sejam as retas no R^3, $r_1: \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 2 \\ 1{,}5 \\ 0 \end{pmatrix} + \lambda \begin{pmatrix} -10 \\ 5 \\ 0 \end{pmatrix}$ com $\lambda \in R$ e $r_2: \begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 4 \\ 0 \\ 2 \end{pmatrix} + \mu \begin{pmatrix} -5 \\ 0 \\ 10 \end{pmatrix}$ com $\mu \in R$. Tomando o plano α definido pelas retas r_1 e r_2, α intersecta o eixo z no valor de z igual a:

(A) -5
(B) 0
(C) 2
(D) 10
(E) 15

QUESTÃO 18

Em uma brincadeira entre amigos, Douglas anotou, em cada papelzinho, todos os números complexos z, tais que $|z| = 1$ e $\left|\frac{z}{\bar{z}} + \frac{\bar{z}}{z}\right| = 1$, em que $\bar{z}$ representa o conjugado de z, além de 7 respostas de outros exercícios que não envolvem números complexos. Feito isso, ele colocou todas as respostas em uma urna. Calcule a probabilidade de um amigo de Douglas retirar uma solução qualquer que apresente uma solução complexa. Suponha que a chance de retirar qualquer papelzinho da urna seja a mesma.

(A) $\frac{6}{13}$

(B) $\frac{10}{17}$

(C) $\frac{5}{12}$

(D) $\frac{1}{2}$

(E) $\frac{8}{15}$

QUESTÃO 19

Sejam f e g duas funções reais de modo que, para todo x, $(f(x))^8 + (g(x))^8 = 4$. Assinale a opção que apresenta o valor do limite $\lim_{x\to 0} f(x)\sqrt{x}$

(A) Indefinido
(B) ∞
(C) $-\infty$
(D) 0
(E) 1

QUESTÃO 20

Sejam $f \circ g$ e g funções reais definidas por $f \circ g(x) = \begin{cases} 4x^2 - 6x - 1, & x \geq 1 \\ 4x + 3, & x < 1 \end{cases}$ e $g(x) = 2x - 3$. Assinale a opção que apresenta a lei de formação da função f.

(A) $f(x) = \begin{cases} -x^2 - 2x - 1, & x \geq 1 \\ 2x + 3, & x < 1 \end{cases}$

(B) $f(x) = \begin{cases} 2x^2 - x - 1, & x \geq -1 \\ x + 7, & x < -1 \end{cases}$

(C) $f(x) = \begin{cases} x^2 + 3x - 1, & x \geq -1 \\ 2x + 9, & x < -1 \end{cases}$

(D) $f(x) = \begin{cases} 4x^2 + x - 1, & x \geq 1 \\ x - 3, & x < 1 \end{cases}$

(E) $f(x) = \begin{cases} 3x^2 - x - 1, & x \geq 1 \\ x + 1, & x < 1 \end{cases}$

Based on the text below, answer questions 21, 22, 23, 24, 25 and 26.

Career confusion in the 21st century: challenges and opportunities

[1] The time and energy that teenagers dedicate to learning and the fields of study they choose profoundly shape the opportunities they will have during their whole lives. Their dreams and aspirations do not just depend on their talents, but they can be highly influenced by their personal background as well as by the depth and extent of their knowledge about the world of work. In summary, students cannot be what they cannot see.

[2] With young people staying in education longer than ever and the labour market automating with unprecedented speed, students need help to make sense of the world of work. In 2018, the OECD Programme for International Student Assessment (PISA), the world's largest dataset on young people's educational experiences, collected first-of-its kind data on this, making it possible to explore how much the career dreams of young people have changed over the past 20 years, how closely they are related to actual labour demand, and how closely aspirations are shaped by social background and gender.

[3] Studies in Australia, the United Kingdom and the United States show that teenagers who combine part-time employment with full-time education do better in their school-to-work transitions. The positive benefits include lower probabilities of being unemployed or NEET (Not in Education, Employment or Training), higher wages, and others (see Box 1). However, the benefits cannot be taken for granted and some experiences in different countries have demonstrated that governments and schools can better support young people as they prepare themselves for working life.

[4] Schools may provide programmes of career development activities, particularly those that include workplace experience. Experience of the world of work challenges young people to understand what it means to be personally effective in different workplaces while providing a unique opportunity to develop social networks of value. Through exposure to the people who do different jobs, young people have the chance to challenge gender- and class-based stereotyping and expand their aspirations, easing ultimate entry into the labour market (see Box 2).

[5] However, in recent years, analyses of career preparation have focused on the challenge of misalignment: where the educational plans of young people are out of kilter with their occupational expectations. When young people underestimate the education required to fulfil their dreams, they can expect to find their early working lives more difficult than would be expected. Of particular concern is that most young people whose aspirations are misaligned with their education come from disadvantaged backgrounds. Consequently, it is now clear that career guidance serves an important service in dealing with inequalities.

[6] Results from PISA show that the career aspirations of young people are no simple reflection of teenage academic ability. Rather, they reflect complex lives. Analyses show that the children of more advantaged families are more likely to want to go on to university than working class kids. Similarly, career thinking is often determined by gender and immigrant background as well as socioeconomic status. Disadvantaged young people are at clear risk of career confusion. It is neither fair, nor efficient, for students to move through education with limited views of both the amplitude of the labour market and their own potential.

Box 1 – The positive effects of teenage part-time employment

[7] Studies in Australia, the United Kingdom and the United States commonly show that teenagers who combine full-time study with part-time work can expect to do better in the adult job market than would be expected, given their backgrounds and academic qualifications. Studies that follow them from childhood to adulthood have routinely found evidence of higher earnings and fewer periods of unemployment. In an American study which follows young people born in the mid-1970s up to the age of 30, the researchers find a positive relationship between working part time at age 14 and 15 and a subjective sense of job realization in adulthood. Teenage students who worked were far more likely to agree at age 30 that they were working in a job that they wanted. However, the exact relationship between working when a teenager and later economic success is not well understood, and the phenomenon may have some disadvantages: students working excessive hours perform worse in final examinations than would otherwise be expected.

Box 2 – The long-term impacts of career talks

[8] Another study, based on teenagers who, as 16-year-olds, had taken part in a career talk with someone from outside of school, finds that taking part in career talks is associated with significantly better earnings at age 26. The wage premium was found to be at its greatest where students took part in more than five career talks at age 14-15, rather than at 15-16, and when they agreed at the time that they had been very helpful.

(Adapted from: *Dream jobs? Teenager career aspirations and the future of work*. Available at: www.oecd.org/education/dream-jobs-teenagers-career-aspirations-and-the-future-of-work.htm <http://www.oecd.org/education/dream-jobs-teenagers-career-aspirations-and-the-future-of-work.htm>)

QUESTÃO 21

According to paragraph 1, it is correct to say that "students cannot be what they cannot see" because:

(A) their dreams and aspirations belong to the opportunities they find.
(B) their dreams and aspirations consume much time and energy.
(C) they need to extend their knowledge about their talents.
(D) they need to be well-informed about the world of work.
(E) they need to devote more time to dreaming about their careers.

QUESTÃO 22

According to the text, which option is correct?

(A) When schools provide career talks, they challenge the world of work.
(B) When teenagers attend career talks, they challenge the different social classes.
(C) The higher the number of career talks teenagers attend, the higher their salaries may be.
(D) The higher the number of career talks teenagers attend, the higher the number of drop-outs.
(E) Career talks facilitate someone's immediate entry into the labour market.

QUESTÃO 23

According to the contents of paragraph 3, the transition from school to work is better for teenagers who:

(A) study full-time and work part-time.
(B) study part-time and work full-time.
(C) both study and work part-time.
(D) both study and work full-time.
(E) work, study and have higher wages.

QUESTÃO 24

The word "their", in "[...] with limited views of both the amplitude of the labour market and <u>their</u> own potential." (paragraph 6), refers to:

(A) working class kids.
(B) complex lives.
(C) career aspirations.
(D) students.
(E) results from PISA.

QUESTÃO 25

The meaning of the expression "out of kilter with" in paragraph 5 is:

(A) outdated about.
(B) delivered by.
(C) in equal terms with.
(D) in accordance with.
(E) in disagreement with.

QUESTÃO 26

According to the text in Box 1, it is correct to say that people who worked a lot and studied when they were teenagers:

(A) always had the best grades in final exams.
(B) tended to have lower grades in final exams.
(C) were very happy about their grades and their jobs.
(D) had higher salaries but were often unemployed.
(E) had higher salaries and were never unemployed.

QUESTÃO 27

Read the sentences below.

I- People shouldn't drive so _____.
II- I need to see a doctor because I haven't been feeling well _____.
III- Although she's tried _____ to find a new job, she's still unemployed.

Which option completes the sentences correctly?

(A) fast / late / hardly
(B) quickly / late / hardly
(C) quick / late / hard
(D) fast / lately / hard
(E) quickly / lately / hardly

QUESTÃO 28

Which is the correct option to complete the text below?

The Letter Always Wins

Somehow _____ our several ways to contact a company and complain _____ products (email, toll free numbers, _____ person), the old-fashioned letter still seems to win.

Case in point. This week Smucker's Jam agreed to replace two of my grandmother's Pineapple Jams that she had ordered. She talked _____ them _____ the phone and they apologized _____ the bad packaging. But it was her letter that got her two free replacements.
(Adapted from <https://www.wisebread.com/the-letter-always-wins>)

(A) between / to / at / to / by / at
(B) among / about / in / to / on / for
(C) between / of / on / for / in / for
(D) among / about / in / for / in / to
(E) between / of / on / with / on / to

QUESTÃO 29

Which option completes the text correctly? A dash (-) indicates that no article is used.

_____ China's first autonomous cargo ship, named *Jin Dou Yun 0 Hao*, has made its first voyage in Zhuhai.

Yunzhou Tech, _____ technology company based in Zhuhai, developed _____ ship in collaboration with Wuhan University of Technology and CCS. _____ autonomous cargo ship will reduce 20% construction cost, 20% operation cost and 15% fuel consumption.

(Adapted from https://www.seatrade-maritime.com)

(A) A / the / - / A
(B) - / a / the / The
(C) - / the / the / A
(D) The / a / - / An
(E) The / - / a / The

QUESTÃO 30

Which option completes the sentence below correctly?

Spinach is very thin, so there's more loss of moisture and exposure to heat and oxygen compared to a carrot, _____?

(Adapted from https://www.bbc.com)

(A) is there
(B) did it
(C) isn't there
(D) didn't it
(E) does it

QUESTÃO 31

Which option completes the text below correctly?

There are _____ different opinions on how _____ water you should be drinking every day.

Health authorities commonly recommend eight 8-ounce glasses, which equals about 2 liters, or half a gallon. This is called the 8×8 rule and is very easy to remember.

However, _____ health gurus believe that you need to sip on water constantly throughout the day, even when you're not thirsty.

As with most things, this depends on the individual. _____ factors (both internal and external) ultimately affect your need for water.

(https://www.healthline.com)

(A) many / much / some / Many
(B) many / much / little / Much
(C) much / many / some / None
(D) much / many / little / Much
(E) a lot of / much / none / Many

QUESTÃO 32

Mark the sentence that is grammatically INCORRECT.

(A) If you want to be an expert talker when speaking to real life emergency services dispatchers, know your location.
(B) If the company pushed the update to everyone's TVs automatically, the servers would be badly affected.
(C) If you don't like the idea of using metal to build your drone, you can use other materials that are flexible.
(D) If you will want to take aerial photos and record the surroundings while flying your drone, you will need a camera.
(E) If the callers are unable to answer the questions, the dispatcher taking emergency calls has to act immediately.

QUESTÃO 33

Which option completes the paragraph below correctly?

It is important that female navy officers are now commanding vessels, not only because of _____ achievement in and of itself, but also because _____ types of posts will help _____ advance even more in _____ careers.

(Adapted from http://cimsec.org)

(A) these / these / it / its
(B) this / this / her / her
(C) this / these / it / her
(D) these / this / them / their
(E) this / these / them / their

QUESTÃO 34

Which option completes the text below correctly?

Renew or replace your adult passport

You _____ be aged 16 or over (or turning 16 in the next 3 weeks) if you want an adult passport. There's a different process to get a passport for a child.

The rules for passports, driving, pet travel and more _____ change from 1 January 2021. Act now so you _____ travel as planned.

If you're in the UK you _____:

- renew your passport if it's expired or will expire soon;
- replace your passport if it's been lost, stolen or damaged;
- change the details on your passport.

(Adapted from <https://www.gov.uk/renew-adult-passport>)

(A) should / may / can't / shouldn't
(B) must / might / can't / must
(C) should / mustn't / can / should
(D) must / may / can / can
(E) should / mustn't / must / should

QUESTÃO 35

Which option completes the paragraph below correctly?

If your child has no symptoms of vision problems and no family history of vision problems, _____ every one to two years. Otherwise, schedule eye exams based on the advice of your eye doctor.

(Adapted from https://www.mayoclinic.org)

(A) have rechecked his or her vision
(B) have his or her vision rechecked
(C) his or her vision has rechecked
(D) has rechecked his or her vision
(E) have had rechecked his or her vision

QUESTÃO 36

Choose the correct option to complete the paragraph below.

The Brazilian Navy _____ its new Antarctic station "Estação Antártica Comandante Ferraz" (EACF) on 15 January. The facility _____ by China National Electronic Imports and Exports Corporation (CEIEC) to replace the original EACF, which _____ by a fire in 2012. The new station _____ of laboratories, communications and meteorological modules, power generation equipment, and a living area for 64, as well as medical, healthcare, catering, and technical areas.

(Adapted from https://www.janes.com)

(A) was inaugurated / built / destroyed / composes
(B) inaugurated / was built / destroyed / composes
(C) was inaugurated / built / destroyed / is composed
(D) inaugurates / builds / was destroyed / was composed
(E) inaugurated / was built / was destroyed / is composed

QUESTÃO 37

Analyze the questions below.

I- Who does this pencil belong to?
II- Who read a book last week?
III- Where did your mother born?
IV- What about are they talking?
V- What fell on the floor yesterday?

Choose the correct option.

(A) Only I, II and III are grammatically correct.
(B) Only I, II and V are grammatically correct.
(C) Only II and IV are grammatically correct.
(D) Only II, III and V are grammatically correct.
(E) Only III and V are grammatically correct.

QUESTÃO 38

Mark the option that completes the paragraph below correctly.

The Russian Vostok weather station in Antarctica has recorded temperatures as _____ as -89.2°C (-128.6°F). Here, the _____ temperature ever measured is -14°C (7°F).

(Adapted from <https://www.climatestotravel.com/climate/antarctica>)

(A) lowest / high
(B) low / higher
(C) low / highest
(D) lower / higher
(E) lower / highest

QUESTÃO 39

Which option completes the paragraph below correctly?

In 1984, Dallas, Texas, a call to the emergency services _____ catastrophically wrong. An elderly woman _____ breathing in her home. Her son, clearly distressed, _____ 911. His conversation with the dispatcher soon _____ out of control.

(Adapted from https://www.bbc.com)

(A) had gone / stopped / had called / spiraled
(B) was going / had stopped / has called / was spiraling
(C) went / has stopped / had called / had spiraled
(D) had gone / has stopped / called / was spiraling
(E) went / had stopped / called / spiraled

QUESTÃO 40

Which option completes the paragraph below correctly?

Speak, FIDO!

Imagine you're out for a walk with your family when a strange dog approaches. The dog isn't aggressive, but it seems _____ something because it nudges you with its snout, and barks. What you don't know is that this dog is trained _____ a person with a medical condition. Around the corner, the dog's owner has collapsed, and the dog instinctively runs off _____ help. That's you! But how can the dog make you _____ what's wrong?

(Adapted from https://www.timeforkids.com)

(A) to want / help / to find / to understand
(B) want / helping / finding / understanding
(C) want / help / find / to understand
(D) to want / to help / to find / understand
(E) wanting / to helping / finding / understand

INSTRUÇÕES GERAIS AO CANDIDATO

1 - Verifique se a prova recebida e a folha de respostas são da mesma cor (consta no rodapé de cada folha a cor correspondente) e se não faltam questões ou páginas. Escreva e assine corretamente o seu nome, coloque o seu número de inscrição e o dígito verificador (DV) apenas nos locais indicados;

2 - O tempo para a realização da prova será de **05 (cinco) horas**, incluindo o tempo necessário à marcação das respostas na folha de respostas, e não será prorrogado;

3 - Só inicie a prova após ser autorizado pelo Fiscal, interrompendo sua execução quando determinado;

4 - Iniciada a prova, não haverá mais esclarecimentos. O candidato somente poderá deixar seu lugar, devidamente autorizado pelo Supervisor/Fiscal, para se retirar definitivamente do recinto de prova ou, nos casos abaixo especificados, devidamente acompanhado por militar designado para esse fim:
- atendimento médico por pessoal designado pela MB;
- fazer uso de banheiro; e
- casos de força maior, comprovados pela supervisão do certame, sem que aconteça saída da área circunscrita para a realização da prova.
Em nenhum dos casos haverá prorrogação do tempo destinado à realização da prova, em caso de retirada definitiva do recinto de prova, esta será corrigida até onde foi solucionada;

5 - Use caneta esferográfica preta ou azul para preencher a folha de respostas;

6 - Confira nas folhas de questões as respostas que você assinalou como corretas antes de marcá-las na folha de respostas. Cuidado para não marcar duas opções para uma mesma questão na folha de respostas (a questão será perdida);

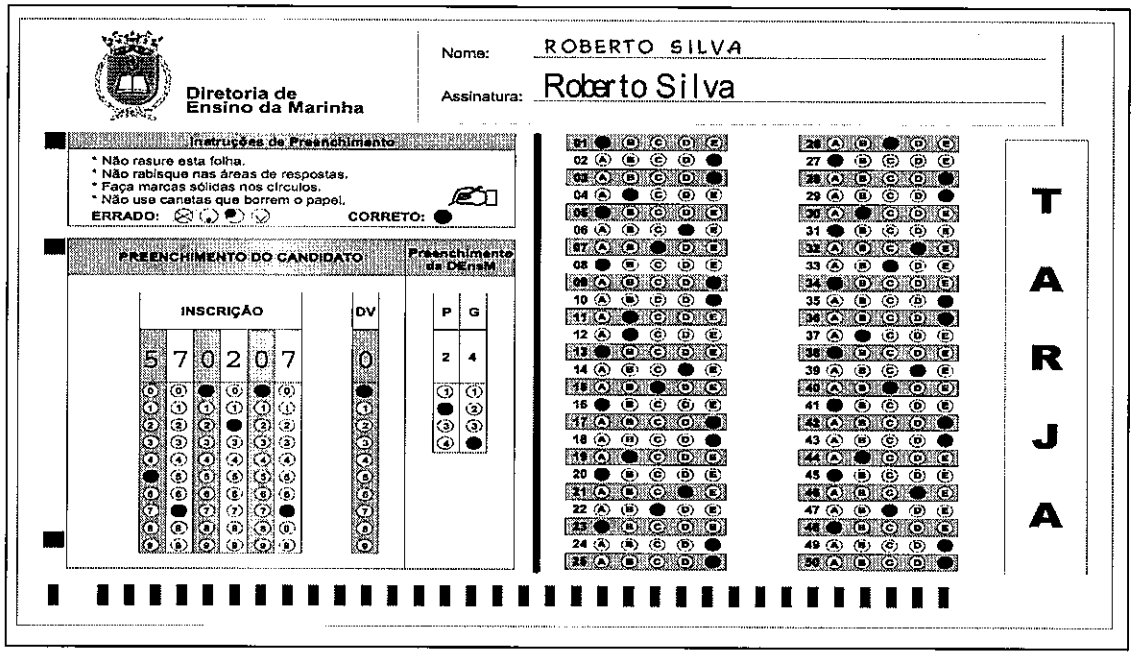
7 - Para rascunho, use os espaços disponíveis nas folhas de questões, mas só serão corrigidas as respostas marcadas na folha de respostas;

8 - O tempo mínimo de permanência dos candidatos no recinto de aplicação de provas é de **150 minutos**.

9 - Será eliminado sumariamente do processo seletivo/concurso e suas provas não serão levadas em consideração, o candidato que:
a) der ou receber auxílio para a execução de qualquer prova;
b) utilizar-se de qualquer material não autorizado;
c) desrespeitar qualquer prescrição relativa à execução das provas;
d) escrever o nome ou introduzir marcas identificadoras noutro lugar que não o determinado para esse fim;
e) cometer ato grave de indisciplina; e
f) comparecer ao local de realização da prova após o horário previsto para o fechamento dos portões.

10 - Instruções para o preenchimento da folha de respostas:
a) use caneta esferográfica azul ou preta;
b) escreva seu nome em letra de forma no local indicado;
c) assine seu nome no local indicado;
d) no campo inscrição DV, escreva o seu número de inscrição nos retângulos, da esquerda para a direita, um dígito em cada retângulo. Escreva o dígito correspondente ao DV no último retângulo. Após, cubra todo o círculo correspondente a cada número. Não amasse, dobre ou rasgue a folha de respostas sob pena de ser rejeitada pelo equipamento de leitura ótica; e
e) só será permitida a troca de folha de respostas até o início da prova, por motivo de erro no preenchimento nos campos nome, assinatura e número de inscrição, sendo de inteira responsabilidade do candidato qualquer erro ou rasura na referida folha de respostas, após o início da prova.

11 - Procure preencher a folha com atenção de acordo com o exemplo abaixo:



12 - Não será permitido levar a prova após sua realização. O candidato está autorizado a transcrever suas respostas, dentro do horário destinado à solução da prova, utilizando o modelo impresso no fim destas instruções para posterior conferência com o gabarito que será divulgado. É proibida a utilização de qualquer outro tipo de papel para anotação do gabarito.

ANOTE SEU GABARITO PROVA DE COR _____

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	41	42	43	44	45	46	47	48	49	50