



CONCURSO DE ADMISSÃO  
AO  
CURSO DE FORMAÇÃO E GRADUAÇÃO

INGLÊS

FOLHA DE QUESTÕES

2002 / 2003

1ª Questão

Valor: 1,5

MARQUE NO CADERNO DE SOLUÇÕES (PG 13) A OPÇÃO NA QUAL O SIGNIFICADO DA PALAVRA OU EXPRESSÃO ESCOLHIDA MANTÉM A IDÉIA ORIGINAL DA FRASE.

1. Despite the fact that women often make valuable contributions, they have not been able to attain the same social and economic status as men.  
(A) succeed  
(B) achieve  
(C) stretch  
(D) maintain
2. The apple appeased my hunger temporarily, but I could still eat a big dinner.  
(A) appetite  
(B) fulfilled  
(C) increased  
(D) reduced
3. Sue has been blind from birth, but she did not let her handicap stop her from going to college.  
(A) drawback  
(B) disability  
(C) fault  
(D) disagreement
4. Many members of the old wealthy families in society held rather aloof from Gatsby, refusing even to acknowledge his existence.  
(A) unwelcoming towards  
(B) close to  
(C) friendly towards  
(D) abrasive towards
5. The criminal was to be killed at dawn, but he petitioned the king to save him and his request was granted.  
(A) claimed  
(B) ordered  
(C) requested  
(D) nagged

**2ª Questão**

**Valor: 2,0**

LEIA, A SEGUIR, O TÍTULO, O SUBTÍTULO E O EXTRATO DE UM ARTIGO SOBRE CÁLCULO.

**The Troubled State of Calculus**

**A Push To Revitalize College Calculus Teaching Has Begun**

Calculus: a large lecture hall, 200 or so bored students, a lecturer talking to a blackboard filled with Greek symbols, a thick, heavy textbook with answers to even-numbered problems, a seemingly endless chain of formulas, theorems and proofs.

Com base no que você acabou de ler, assinale no caderno de soluções (pg 13) o que você espera encontrar na versão completa do artigo "The Troubled State of Calculus". Mais de uma alternativa pode ser escolhida.

- (A) Current problems with calculus instruction.
- (B) Proposals for improving instruction.
- (C) The impossibility of doing something about the current calculus teaching approach.
- (D) Aspects of the current state of calculus teaching.
- (E) The need for change in math curricula.

**3ª Questão**

**Valor: 1,2**

LEIA AS FRASES A SEGUIR CUIDADOSAMENTE. AS QUESTÕES QUE SEGUEM VISAM TESTAR SUA COMPREENSÃO SOBRE CADA FRASE. MARQUE A RESPOSTA CORRETA NO CADERNO DE SOLUÇÕES (PG 13).

1. The Green Tiger Press believes that the relatively unknown works of great children's illustrators are sources of vast beauty and power, and is attempting to make these treasures more easily available.

What is the goal of this printing company?

- (A) To publish more children's books.
- (B) To develop powerful stories.
- (C) To make children's illustrations more easily available.
- (D) To encourage artists to become children's illustrators.

2. The financial situation isn't bad yet, but we believe that we have some vital information and, if it is correct, unemployment will soon become a serious problem.

What do we know about the financial situation?

- (A) It won't change.
- (B) It is a serious problem.
- (C) It is not bad now.
- (D) It will improve.

3. Because the supply of natural gas was plentiful in comparison to other choices like coal and fuel oil, and because it burns cleaner, many people changed their heating systems to natural gas, thereby creating shortages.

Why did people prefer gas?

- (A) It was natural.
- (B) There were no other choices.
- (C) The other fuels were dirtier and less plentiful.
- (D) There is, even today, a plentiful supply of it.

PROVA DE INGLÊS DO VESTIBULAR 2002/2003 DO INSTITUTO MILITAR DE ENGENHARIA

4ª Questão

Valor: 1,8

LEIA O TEXTO ABAIXO E RESPONDA AS PROPOSIÇÕES, MARCANDO A OPÇÃO CORRETA PARA CADA QUESTÃO NO CADERNO DE SOLUÇÕES (PG 14).

Fifty volunteers were alphabetically divided into two equal groups, Group A to participate in a 7-week exercise program, and Group B to avoid deliberate exercise of any sort during those 7 weeks. On the day before the exercise program began, all 50 men participated in a step-test. This consisted of stepping up and down on a 16-inch bench at 30 steps a minute for 5 minutes. One minute after completion of the step-test, the pulse rate of each subject was taken and recorded. This served as the pretest for the experiment. For the next 7 weeks, subjects in the experimental group (Group A) rode an Exercycle (a motor-driven bicycle-type exercise machine) for 15 minutes each day. The exercise schedule called for riders to ride relaxed during the first day's ride, merely holding on to the handle bars and foot pedals as the machine moved. Then, for the next 3 days, they rode relaxed for 50 seconds of each minute, and pushed, pulled, and pedaled actively for 10 seconds of each minute. The ratio of active riding was increased every few days, so that by the third week it was half of each minute, and by the seventh week the riders were performing 15 solid minutes of active riding.

At the end of the 7 weeks, the step-test was again given to both groups of subjects, and their pulses taken. The post-exercise pulse rates of subjects in the experimental group were found to have decreased an average of 30 heartbeats per minute, with the lowest decrease 28 and the highest decrease 46. The pulse rates of subjects in the control group remained the same or changed no more than 4 beats, with an average difference between the initial and final tests of zero.

4ª Questão

Continuação

1. How many people were in each group?

- (A) 100.
- (B) 50.
- (C) 25.
- (D) 15.

2. The step test was given...

- (A) after each exercise period.
- (B) just before the beginning and at the end of the seven week period.
- (C) only once, at the beginning of the seven week period.
- (D) twice to the men in Group A and once to the men in Group B.

3. When were pulse rates taken?

- (A) After every exercise period.
- (B) Every day.
- (C) After the step-tests.
- (D) Every time the ratio of active riding was increased.

4. The exercise schedule was planned so that the amount of active riding...

- (A) increased every few days.
- (B) varied from day to day.
- (C) increased until the third week and then was kept constant.
- (D) increased every exercise period.

5. What did Group A do in their program?

- (A) They step up and down on a bench every day.
- (B) They pushed and pulled on exercise handles every day.
- (C) They rode on an Exercycle every day.
- (D) They refrained from any exercise.

6. The post-exercise pulse rates of Group B were found on the average to have...

- (A) not changed.
- (B) gone down 28 beats per minute.
- (C) gone down 30 beats per minute.
- (D) gone down 4 beats per minute.

5ª Questão

Valor: 1,2

UTILIZE OS ANÚNCIOS CLASSIFICADOS ABAIXO PARA RESPONDER AS QUESTÕES QUE SEGUEM NO CADERNO DE SOLUÇÕES (PG 15). SUAS RESPOSTAS DEVERÃO SER CURTAS E OBJETIVAS.

# classified ads

**FOR DIRECT CLASSIFIED SERVICE CALL 800-0557 –  
10 A.M.-4 P.M. Monday-Friday**

**FOR SALE**

Come to our moving sale – Plants, pottery, books, clothes, etc. Sat., Dec. 14-9:00-5:00. 1612 Ferndale Apt. 1, 800-4696

SNOW TIRES: 12", used one winter. 800-7473

**BUSINESS SERVICES**

MATURE STUDENT would take care of children during Christmas vacation. 800-0441 eves.

EARLY HOUR WAKE UP SERVICE. For prompt, courteous wake-up service. 800-0942

**HELP WANTED**

HELP WANTED for housework ½ day per week. When – to be discussed for mutual convenience. Good wages. Call 800-2817

**WANTED TO RENT**

2-BDRM. PLACE wanted. Hopefully under \$ 750/mon. Thanks. 800-6839

GARAGE OR PARKING SPACE wanted. Call Rob, 800-4992 before 10 a.m. or after 6 p.m.

**LOST AND FOUND**

FOUND: Set of keys on Tappan near Hill intersection. Identity key chain. Call 800-9662 around 6 p.m.

FEMALE CAT: Black, white, and brown. Found two weeks ago at E. Ann and Glenn. 800-5770

**ROOMMATES**

FEMALE Grad Student wanted: to share a 2-bdrm., furnished apt., own rm. ½ block from Frieze Bldg. \$ 425/mo. Starting Jan. 800-1090 after 5:30 – call persistently.

NEED PERSON to assume lease for own bedroom in apt. near campus, \$ 350/mo. Starting Jan. 1. Call 800-6157 after 5:00

5ª Questão

Continuação

1. If you wanted to earn money by working, under which section would you place an ad?
2. If you needed somebody to live with you in your apartment, under which section would you place an ad?
3. If you had trouble getting to work on time every morning, which number would you call?
4. If you wanted to place an ad, which number would you call?
5. Who would you call if you wanted to make some money renting an available car lot in your house?
6. Where would you go if you were looking for used clothes?

6ª Questão

Valor: 2,3

TRADUZA O TEXTO ABAIXO PARA O PORTUGUÊS.

Albert Einstein once attributed the creativity of a famous scientist to the fact that he "never went to school, and therefore preserved the rare gift of thinking freely." There is undoubtedly truth in Einstein's observation; many artists and geniuses seem to view their schooling as a disadvantage. But such a truth is not a criticism of schools. It is the function of schools to civilize, not to train explorers. The explorer is always a lonely individual whether his or her pioneering being in art, music, science, or technology.