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https://www.100test.com/kao_ti2020/165/2021_2022__E8_80_83_E8_AF_95_E9_A2_98_E5_c89_165757.htm ANALYSIS OF AN ARGUMENT

Time 30 minutes
Directions: In this section you will be asked to write a critique of the argument presented below. You are NOT being asked to present your own views on the subject. Read the argument and the instructions that follow it, and then make any notes in your test booklet that will help you plan your response. Begin writing your response on the separate answer sheet. Make sure that you use the answer sheet that goes with this writing task. The following appeared in a memorandum to the planning department of an investment firm. "Costs have begun dropping for several types of equipment currently used to convert solar energy into electricity. Moreover, some exciting new technologies for converting solar energy are now being researched and developed. Hence we can expect that solar energy will soon become more cost efficient and attractive than coal or oil as a source of electrical power. We should therefore, encourage investment in Solario, a new manufacturer of solar-powered products. After all, Solario's chief executive was once on the financial planning team for Ready-to-Ware, a software engineering firm that has shown remarkable growth since its recent incorporation." Discuss how well reasoned you find this argument. In your discussion be sure to analyze the line of reasoning and the use of evidence in the argument. For example, you may need to consider what questionable assumptions underlie the thinking and what

alternative explanations or counterexamples might weaken the conclusion. You would make it more logically sound, and what, if anything, would help you better evaluate its conclusion.

ANALYSIS OF AN ISSUE

Time 30 minutes

Directions: In this section you will need to analyze the issue presented below and explain your views on it. The question has no "correct" answer. Instead, you should consider various perspectives as you develop your own position the issue. Read the statement and the instructions that follow it, and then make any notes in your test booklet that will help you plan your response. Begin writing your response on the separate answer sheet. Make sure that you use the answer sheet that goes with this writing task.

"The best strategy for managing a business or any enterprise is to find the most capable people and give them as much authority as possible."

Discuss the extent to which you agree or disagree with the opinion stated above. Support your views with reasons and/or examples from your experience, observations, or reading.

SECTION 1

Time 25 minutes 16 Questions

Directions: In this section solve each problem, using any available space on the page for scratchwork. Then indicate the best of the answer choices given.

Numbers: All numbers used are real numbers.

Figures: Figures that accompany problems in this section are intended to provide information useful in solving the problems. They are drawn as accurately as possible EXCEPT when it is stated in a specific problem that its figure is not drawn to scale. All figures lie in a plane unless otherwise indicated.

1. A study based on a random sample revealed that on average 2 out of 5 adults have high blood pressure. If these results hold true for the

580,000 adults in City A approximately how many adults in City A have high blood pressure? (A) 116,000 (B) 145,000 (C) 232,000 (D) 250,000 (E) 290,000

2. The sum is between (A) and (B) and 1 (C) 1 and 1 (D) 1 and 1 (E) 1 and 23. A certain state legislature consists of 124 members, each of whom is either a Democrat or a Republican. If there are 18 more Republicans than Democrats, how many Republicans are in the legislature? (A) 44 (B) 53 (C) 71 (D) 80 (E) 106

4. A certain psychologist charges \$30 more for the first hour of therapy than for each additional hour. If the total charge to a patient who receives 6 hours of therapy is \$300 what is the total charge to a patient who receives only 3 hours of therapy? (A) \$120 (B) \$135 (C) \$150 (D) \$165 (E) \$192

5. If $xy=1$ and $x-y=-1$, what is the value of xy ? (A) -2 (B) -1 (C) 0 (D) 1 (E) 66

6. NOT SCORED

7. If $(x^2 - 6x + 9) - 6(x + 3) + 9 = 0$, then $x =$ (A) -6 (B) -3 (C) 0 (D) 3 (E) 6

8. In 1982 and 1983 Company B's operating expenses were \$12.0 million and \$14.0 million, respectively, and its revenues were \$15.6 million and \$18.8 million respectively. What was the percent increase in Company B's profit (revenues minus operating expenses) from 1982 to 1983? (A) 3% (B) 16% (C) 25% (D) 33% (E) 60%

9. If a and b are integers and $b \neq 0$, which of the following CANNOT equal 0? (A) ab (B) $a-b$ (C) $a + b$ (D) $ab - b^2$ (E) $a^2 - b^2$

10. What are the coordinates of point B in the xy-plane above? (A) (6, 12) (B) (6, 28) (C) (8, 20) (D) (12, 20) (E) (14, 28)

11. Last year 31 percent of Ace Book Company's sales revenue came from the sale of novels. Of the remaining revenue, was from the sale of biographies. The company's revenue from the sale of novels was approximately how many times its revenue from the sale of

biographies?(A) 1.3(B) 1.5(C) 2.1(D) 2.5(E) 3.112. There musical tones have frequencies x , y , and z , respectively. If x , y , and z are positive, $y = \frac{1}{2}x$, and $2x = z$, what is y in terms of x ?(A) $2x$ (B) $(\frac{1}{2})x$ (C) x (D) x (E) x 100Test 下载频道开通，各类考试题目直接下载。详细请访问 www.100test.com