

國 立 清 華 大 學 命 題 紙

九十三學年度 資訊工程學 系(所) _____ 組碩士班入學考試

科目 語文能力測驗 科號 3003 共 5 頁第 1 頁 *請在試卷【答案卷】內作答

Part I: Choose the synonym (sameness) for the underlined word of the following 5 questions (25%) (single choice).

1. The 30-second message is a response to the first negative ads from the Bush campaign, which attacked the presumptive Democratic presidential nominee. "Doesn't America deserve more from its president than misleading, negative ads?" the ad asks rhetorically.
 - A. humbly
 - B. inarticulately
 - C. eloquently
 - D. precisely
2. Women who are pregnant, nursing or may become pregnant, and young children should not eat certain kinds of fish that tend to be high in mercury. While mercury can affect almost any organ in the body, the most sensitive organ is the brain. At the same time, the new guidelines emphasize that fish is a good source of protein and the omega-3 compounds it contains that can benefit the heart. Consumer's Union and other groups have been pressing the government to come up with a consumer-friendly list of low-mercury fish, since not all fish are polluted equally.
 - A. sterilized
 - B. contaminated
 - C. spoiled
 - D. abused
3. Aristotle's most successful scientific writings were those on biology. He was a careful and meticulous observer who fascinated by the task of classifying animal species and arranging them into hierarchies. He dealt with over five hundred animal species in this way and dissected nearly fifty of them. His mode of classification was reasonable and, in some cases, strikingly modern.
 - A. depraved
 - B. detailed
 - C. vague
 - D. superfluous

國 立 清 華 大 學 命 題 紙

九十三學年度 資訊工程學 系(所) _____ 組碩士班入學考試

科目 語文能力測驗 科號 3003 共 5 頁第 2 頁 *請在試卷【答案卷】內作答

4. The Echidna is found all over Australia and can survive a range of temperatures and habitats. Though mostly nocturnal, in mild weather they can be seen during the day, but if the weather is extreme (either very cold or hot) Echidnas will stay in shelter.
 - A. elusive
 - B. conceited
 - C. distinct
 - D. nightly
5. Five centuries ago a teenaged girl surrendered her life to the gods. Inca priests buried her, and she lay in peace atop Mount Ampato in Peru. Accidental immortality came to the ice maiden in 1995, when anthropologist Johan Reinhard found her-stunningly preserved.
 - A. infinity
 - B. dishonor
 - C. dignity
 - D. virtue

Part II: Read the following passages and answer questions. (30%)

Passage I

2232 Computer Programming Language II: Fall, spring, 4 hours, Lecture.

Prerequisites: 2122 or 2101. Computer programming in languages other than FORTRAN. Major emphasis will be given to PL-1 and COBOL. Computer projects in these languages will be assigned.

6. Which of the following computer language will NOT be studied? (A) PL-1, (B) COBOL (C) Fortran (D) Major
7. How many times per year will this course be offered? (A) One (B) Two (C) Three (D) Four.
8. What is the main purpose of this passage?
 - A. To describe a course
 - B. To give an example of a computer language
 - C. To announce a lecture
 - D. To advertise a job opportunity in Computer Programming.

國 立 清 華 大 學 命 題 紙

九十三學年度 資訊工程學 系(所) _____ 組碩士班入學考試

科目 語文能力測驗 科號 3003 共 5 頁第 3 頁 *請在試卷【答案卷】內作答

Passage II

Leading multinational industrial cooperation is seeking a qualified individual with a degree in electrical engineering and a minimum of five years VLSI design experience. The successful candidate will design and implement CD ROM controller. Excellent beginning salary and complete benefits package, including medical dental and life insurance plans. Interested applicants should forward resume listing qualifications, skills, employment and salary history, accompanied by a letter of interests to BOX A 304 Mercury Inc. Deadline for applications: July 20th.

9. The word deadline in this ad most nearly means.
- (A) The first day for applications to be submitted.
 - (B) The last day for applications to be submitted.
 - (C) The day that the ad appeared in the newspaper
 - (D) The day that the applicants will be informed of the decision.
10. What are the qualifications for a successful candidate?
- (A) A degree in electrical engineering or five years of VLSI design experience
 - (B) A degree in electrical design
 - (C) More than five years experience as an electrical engineer in a leading multinational cooperation
 - (D) Both a degree in electrical engineering and five or more years experience in VLSI design
11. We can infer from this passage that
- (A) the successful candidate will be employed by the Mercury Inc.
 - (B) the Mercury Inc. will forward resumes to the corporation
 - (C) the successful candidate will work for an insurance company
 - (D) the corporation is small

國 立 清 華 大 學 命 題 紙

九十三學年度 資訊工程學 系(所) _____ 組碩士班入學考試

科目 語文能力測驗 科號 3003 共 5 頁第 4 頁 *請在試卷【答案卷】內作答

Part III: 請挑出下列各題中有錯誤的部分(單一選擇) (30%)

12. There was four groups of twenty rats each involved in the test.

A B C D

13. The type of jazz known as "swing" was introduced by Duke Ellington when he

A B C

wrote and records "It Don't Mean a Thing If It Ain't Got That Swing."

D

14. The capital of the Confederacy was originally in Mobile, but its was later moved

A B C D

to Richmond.

15. The television, it has so long been a part of our culture, has an enormous

A B C D

influence.

16. The author Frances Scott Key Fitzgerald is better know as F. Scott Fitzgerald.

A B C D

17. Operas can be broadly classified as either comedies or they are tragedies.

A B C D

18. Inside the Lincoln Memorial is a large statue of Lincoln make from white marble.

A B C D

19. People tend to voice theirs opinions first in small groups or among friends.

A B C D

20. As the hurricane blew through the town, tree in front of the post office came

A B C D

tumbling down.

21. The central banking system of the U.S. consists of twelve banks district.

A B C D

國 立 清 華 大 學 命 題 紙

九十三學年度 資訊工程學 系(所) _____ 組碩士班入學考試

科目 語文能力測驗 科號 3003 共 5 頁第 5 頁 *請在試卷【答案卷】內作答

Part IV: Writing (Answer questions in English)

22. (15 %) Answer the following questions in English.

When a German amateur posted an alert on an asteroid watchers e-mail list, astronomers around the world went into high gear. "All of us were initially very skeptical", says Clark Chapman, Research Institute in Boulder, Colorado. We thought it was a mistake or bad data or someone playing a trick". But when Steve Chesley, at NASA's Jet Propulsion Laboratory, checked the calculations, he came up with a 1-in-4 probability with a strike. "It was a responsible analysis," says Chapman. "It wasn't mistaken in any obvious way". There was one hitch: the asteroid's projected trajectory was based on only four observations over a one-hour period, hardly enough to be definitive. It would take another look to nail down the path for sure. Usually a threatening asteroid is spotted years in advance. This time, with just days to spare, astronomers had to get their second look right away. So Chesley did more calculations to find what's called the keyhole – the tiny region of sky where 2003 AS1 should be if the orbit was correct. He then put those coordinates in the internet. Fortunately, the wait was not long. At around 3:30 E.T. that morning, Brian Warner, an amateur astronomer from Colorado Springs, aimed a telescope at the keyhole and found it was empty.

Use no more than 50 words in English to describe the process in observing 2003 AS1 by astronomers.