

國立清華大學 命題紙

95 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 科目代碼 2603 共 4 頁第 1 頁 *請在【答案卷卡】內作答

I. Choose the one word or phrase that best completes the sentence. 3% each

1. Jason says, "Accounting is outside my realm of knowledge." In other words, he _____ the subject very well. (a) doesn't understand (b) does understand (c) probably understands (d) is likely to understand
2. Majority of people would agree that _____ is a hazard to people's health. (a) jogging (b) sleeping (c) smoking (d) reading
3. If there is an even distribution of wealth in a country, there is a _____ number of very rich and very poor people. (a) small (b) significant (c) remarkable (d) large
4. If a young artist emulates a famous artist's style, he _____ it. (a) criticizes (b) rejects (c) imitates (d) purchases
5. If a chemist dilutes his laboratory's salty water sample, he _____ it. (a) drinks (b) shakes (c) adds salt to (d) adds water to.
6. Karen made an absurd comment because she _____. (a) made a cruel remark (b) gave a kind speech (c) talked ridiculously (d) provided a brief comment
7. In 1944, Dwight David Eisenhower tried to distract the German army in France. He _____ the attention of them. (a) drew (b) diverted (c) frightened (d) increased
8. Helen wrote a confidential document. Her report was _____. (a) secret (b) brief (c) lengthy (d) important

II Read the following passages and answer questions. 3% each

Passage (1). Why should the climate be warmer in the Southern Hemisphere? One reason may be that most of the Earth's land mass is in the Northern Hemisphere, while our oceans react differently to climatic conditions. For example, snow does not absorb sunlight in the same way land does. Also, industrial pollution is much heavier in the northern Hemisphere, where it may be acting as a sunlight blocker.

9. Where are most of the world's oceans located?
 - (a) In the northern Hemisphere
 - (b) In the Southern Hemisphere
 - (c) In the industrialized half of the world
 - (d) There are oceans all over the world

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10. The passage contrasts the reaction of snow and land to what climatic factor?
- (a) Water
 - (b) Sunlight
 - (c) Pollution
 - (d) Humidity
11. According to the passage, why is there more industrial pollution in the northern part of the world?
- (a) Because the climate is cooler there
 - (b) Because there is less sunlight there
 - (c) Because there is more land mass in the north
 - (d) The passage does not explain why

Passage (2). Despite their reputation as tools for business, computers are basically symbol manipulators. In the field of computer graphics, the computer is not juggling numbers or rearranging words; it is keeping track of points, line segments and surfaces. The result is a set of images as visually exciting as anything ever done on screen. Light and colors take on a very and different texture. Objects materialize out of nothing into vivid shapes and images.

12. According to the passage, computers are usually associated with
- (a) Graphics
 - (b) Business
 - (c) Manipulators
 - (d) Education
13. From the passage, it can be deduced that the graphics of the computer are
- (a) One-dimensional
 - (b) Linear
 - (c) Two-dimensional
 - (d) Three-dimensional
14. According to the passage, why is computer graphics so exciting?
- (a) Because it opens up an entire new range of graphic concepts
 - (b) Because light and color are perceived differently
 - (c) Because it is just like making a movie
 - (d) Because it is so visually stimulating

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Passage (3). Application for admission to the Graduate School at this university must be made on forms provided by the Director of Admissions. An applicant whose undergraduate work was done at another institution should request that three copies of undergraduate transcripts be sent directly to the Dean of the Graduate School. Both the application and the transcripts must be on file at least thirty days before the registration date, and must be accompanied by a money order of five hundred dollars to cover the cost of processing the application.

15. This passage would most likely be found in a

- (a) newspaper
- (b) textbook
- (c) university catalog
- (d) travel folder

16. According to this passage, where would an applicant secure application forms for admission to the university?

- (a) From the chairperson of the department
- (b) From the Director of Admissions
- (c) From the Dean of the Graduate School
- (d) From the institution where the undergraduate work was done

17. Which of the following documents must be on file thirty days prior to the registration date?

- (a) Three copies of recommendations from former professors
- (b) A written approval of the Dean of the Graduate School
- (c) Three copies of undergraduate transcripts and an English proficiency score
- (d) Three copies of undergraduate courses and grades, an application form, and an application fee

Passage (4). Recent technological advances in manned and unmanned undersea vehicles have overcome some of the limitations of divers and diving equipment. Without a vehicle, divers often became sluggish and their mental concentration became limited. Because of undersea pressure which affected their speech organs, communication among divers was difficult or impossible. But today, most oceanographers make observations by means of instruments which are lowered into

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the ocean or from samples taken from the water. Direct observations of the ocean floor are made not only by divers but also by deep-diving submarines. Some of these submarines can dive to depths of more than seven miles and cruise at depths of fifteen thousand feet. Radio-equipped buoys can be operated by remote control in order to transmit information back to land-based laboratories, including data about water temperature, currents and weather.

18. Divers have had problems in communicating underwater because

- (a) the pressure affected their speech organs
- (b) the vehicles they used have not been perfected
- (c) they did not pronounce clearly
- (d) the water destroy their speech organs

19. This passage suggests that the successful exploration of the ocean depends upon

- (a) vehicles as well as divers
- (b) radios that divers use to communicate
- (c) controlling currents and the weather
- (d) the limitations of diving equipment

20. Undersea vehicles

- (a) are too small for a man to fit inside
- (b) are very slow to respond
- (c) have the same limitations that divers have
- (d) make direct observations of the ocean floor

中翻英 20% each :

21. 電腦硬體除了處理器之外，通常還包括輸入指令的鍵盤與滑鼠、顯示資訊的螢幕、列印資訊的印表機、以及儲存資訊的記憶體與磁碟等。

22. 各種不同類型的多媒體資料，譬如影像、視訊、聲音、文字等，在現今都可以由數位形式取得。多媒體的資料型態及資料結構的差異將是下一代研究資料庫所要面對的主要問題。