

慈濟大學 96 學年度  
研究所碩士班招生考試命題紙

科目：英文

共2頁

I. Vocabulary (選出與畫線單字意義最接近者) 50%

- ( ) 1. Scientists are concerned that industrial pollution will severely effect global climate conditions in the future. (A) weather (B) population (C) political (D) ecological
- ( ) 2. Ernest Hemingway and Gertrude Stein led a group pf authors living overseas who were labeled "The Lost Generation." (A) poorly (B) abroad (C) on boats (D) with their families
- ( ) 3. Because of their explicit sexual content, many of Henry Miller's novels were banned in the United States. (A) forbidden (B) disliked (C) criticized (D) burned
- ( ) 4. Though the objects of most sports games are extremely simple, the games themselves are complex and subtle. (A) rules (B) ideas (C) goals (D) strategies
- ( ) 5. Salmon are knew for their amazing leaps over waterfalls and rapids as they travel upstream in order to breed. (A) feed (B) revitalize (C) mature (D) reproduce
- ( ) 6. Magnet schools include the special attention and programs of private schools but not their usually exorbitant fees. (A) books (B) costs (C) teachers (D) elitism
- ( ) 7. The passing of the Stamp Act by the British Parliament in 1765 greatly aroused resentment among the American Colonists.  
(A) aggravated (B) stimulated (C) responded to (D) contributed to
- ( ) 8. The Plains Indians of North American discovered that the hides of bison was a durable material useful for the construction of their teepees.  
(A) compact (B) available (C) versatile (D) long lasting
- ( ) 9. Although the Bronte sisters lived together for many years, the themes of their novels vary a great deal. (A) explore (B) omit (C) differ (D) fictionalize
- ( ) 10. Due to the moon's gravitational forces, the exact length of a day is continually decreasing.  
(A) approximate (B) precise (C) yearly (D) genuine
- ( ) 11. Saul Bellow's Herzog is the story of Jewish middle class American who feels trapped by his philosophical musings. (A) depressed (B) enthralled (C) confined (D) enlightened
- ( ) 12. The centrifuge is a device which, by spinning materials rapidly, is able to separate a liquid into components by density. (A) an apparatus (B) a technique (C) a theory (D) a chemical
- ( ) 13. In certain Native American tribes, rituals celebrating adulthood included fasting and self inflicted torture. (A) maturity (B) harvests (C) the supernatural (D) battle
- ( ) 14. The American Federation of Labor was originally comprised of workers in construction, mining, and railroad building. (A) devoid (B) elected (C) deprived (D) composed
- ( ) 15. Bats emit supersonic sounds from their noses, which when received after reflection, are used to ascertain the position of walls in a cave.  
(A) determine (B) map (C) understand (D) clarify
- ( ) 16. Although he held many erroneous ideas, Aristotle is considered one of the greatest thinkers in human history. (A) controversial (B) wrong (C) strange (D) brilliant
- ( ) 17. Great advances in the formative years of aviation must regrettably be attributed to their utility in warfare. (A) boom (B) crucial. (C) recent (D) developmental
- ( ) 18. Many travel magazines offering either camera equipment or trips as prizes, sponsor photography contests for amateurs. (A) tourists (B) novices (C) artists (D) dilettantes

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- ( ) 19. Researchers have discovered that the tendency of certain people to remain aloof from their peers is inborn. (A) hostile towards (B) grateful for (C) distant from (D) jealous of
- ( ) 20. A vast portion of ancient artifacts, regardless of the time periods or geographic location from which the artifact comes, are receptacles.  
(A) status (B) containers (C) tools (D) jewelry
- ( ) 21. Dehydrated fruits are a popular snack for hikers who require a nutritious but space effective form of food. (A) packaged (B) sanitized (C) dried (D) tropical
- ( ) 22. Emily Dickinson's choice of a solitary life further fostered her prolific production of poetry.  
(A) studious (B) secluded (C) serious (D) serene
- ( ) 23. Advances in the technology of telephones are responsible for the demise of the telegraph.  
(A) invention (B) decline (C) disapproval (D) dislike
- ( ) 24. Ernest Hemingway, the Nobel prize-winning novelist, is known for his halting, concise prose style. (A) symbolic (B) furious (C) simple (D) sarcastic
- ( ) 25. Through studies of adopted children, psychologists discovered that some people have a predisposition for developing schizophrenia.  
(A) an immunity against (B) an inborn tendency towards  
(C) an inability regarding (D) an involved history of

II. Translation (英翻中) 50%

1. Revesz first introduced the term "haptics" in 1931. The origins of the word can be traced back to the Greek words "haptikos", meaning "able to touch."
2. Today the term, in its broadest sense, encompasses the study of touch and the human interaction with the external environment through touch.
3. The field of haptics, inherently multidisciplinary, involves research from engineering, robotics, developmental and experimental psychology, cognitive science, computer science, and to a much lesser extent, educational technology.
4. The study of haptics has grown dramatically with the advent of touch in computing, as many researchers are involved in the development, testing, and refinement of tactile and force feedback devices (simulating object hardness, weight, and inertia), along with supporting software, that allow users to sense and manipulate three-dimensional virtual objects.
5. Haptic devices can provide force feedback and /or tactile feedback (simulating surface contact geometry, smoothness, slippage, and temperature) by employing physical receptors (tactile and kinesthetic) that gather information for the haptic system, which then attempts to draw conclusions about a local object or environment.
6. Although as human beings we interact with our surroundings through five sensory channels, but it is only our sense of touch that enables us to modify and manipulate the world around us.