

國立臺中教育大學 102 學年度研究所碩士在職專班  
及國民小學教師在職進修教學碩士學位班招生考試

英文試題

適用學系:數位內容科技學系碩士在職專班

**Part 1: Grammar and Vocabulary Test (30%, 2% for each question)**

1. If I \_\_\_\_\_ you, I would not go bungee jumping.  
(A) am (B) were (C) had (D) would have
2. She is addicted to \_\_\_\_\_ betel nuts despite of the fact that she was diagnosed with throat cancer.  
(A) chew (B) chews (C) chewed (D) chewing
3. \_\_\_\_\_ my brother was surfing the internet, I was updating my facebook status.  
(A) Whom (B) Which (C) While (D) Whose
4. She \_\_\_\_\_ go white water rafting once a year. However, since she started raising a pet, she has had no time to spare for extra activities.  
(A) uses to (B) used to (C) is using to (D) has to use
5. He seldom gets up when his alarm goes off, \_\_\_\_\_ does he arrive at his office on time.  
(A) so (B) nor (C) and (D) but
6. I \_\_\_\_\_ to compose lyrics to the song for one month, but I still have no idea how to complete them.  
(A) has tried (B) have tried (C) had tried (D) were to try
7. The skyscraper is three times as \_\_\_\_\_ as the apartment complex next to it.  
(A) large (B) larger (C) largest (D) the largest

8. Tears suddenly streamed down my face when I saw a poor, disheveled child \_\_\_\_\_ a sandwich at a breakfast shop.  
(A) snatch (B) snatches (C) snatched (D) was snatched
9. This is an \_\_\_\_\_ speech contest. Contestants are given the topic of the speech right before they go on the stage.  
(A) inapt (B) impulsive (C) impromptu (D) inarticulate
10. People said that the collision between the two cars was not an accident, but was \_\_\_\_\_ planned.  
(A) deficiently (B) didactically (C) deliberately (D) discontentedly
11. David liked to hold grudges against his classmates, so he was \_\_\_\_\_ from them in school.  
(A) isolated (B) irradiated (C) integrated (D) implemented
12. Without being watered for weeks, the dandelions \_\_\_\_\_ away and died.  
(A) whacked (B) withdrew (C) withheld (D) withered
13. The \_\_\_\_\_ to make a batter usually include flour, eggs, and water.  
(A) indications (B) ingredients (C) inhabitants (D) injunctions
14. I have the album that was \_\_\_\_\_ by Michael Jackson.  
(A) signaled (B) contoured (C) barricaded (D) autographed
15. When the explosion occurred in the factory, the foreman tried to \_\_\_\_\_ the workers.  
(A) evade (B) exempt (C) evacuate (D) evaporate

**Part 2: Reading(30%, 2% for each question)**

The idea of getting your clothes clean and dirty at the same time might seem weird, but the Trabant family seem to have hit a winner with Clean and Lean, the first combination laundromat/fitness center in the United States. Clean and Lean was opened three months ago in Vista, a San Diego suburb, by Jim and Judy Trabant and their daughter-in-law Alicia, who take turns overseeing the cycles—wash, spin-dry, and exercise.

Clean and Lean has 20 washing machines, 12 dryers, 6 Nautilus machines, 3 treadmills, and 3 stationary bikes. "I'd say about 60 percent of our customers do both, about 20 percent just wash, and 20 percent just work out," said Alicia at 8 o'clock on a recent Saturday morning, at which hour the joint was already hopping.

Others seem to be taking note of the Trabants' terrific idea. Jim confirmed that they have been talking to a group of San Diego bankers about opening Clean and Lean franchises in other southern California communities.

16. What is the purpose of this passage?

- (A) It reports a new special business.
- (B) It describes the Trabant family.
- (C) It explains how to start a business.
- (D) It encourages people to do two chores at the same time.

17. Which of the following details from the passage best supports the writer's main idea that with Clean and Lean, the Trabants "have hit a winner"?

- (A) The idea might strike some people as weird.
- (B) The business is operated by just three people.
- (C) Clean and Lean opens before 8:00 A.M. on weekends.
- (D) The Trabants are discussing opening Clean and Lean franchises with bankers.

18. Which of the following represents a statement of opinion in the passage?

- (A) Clean and Lean is the first combination laundromat/fitness center in the United States.
- (B) San Diego bankers have taken note of the Trabants' success.
- (C) Opening Clean and Lean was a terrific idea.
- (D) Clean and Lean has more laundry equipment than exercise equipment.

19. From information in the passage, it is possible to conclude which of the following?

- (A) Most of Clean and Lean's clientele appreciate being able to do two chores at once.
- (B) People who use laundromats are generally lazy.
- (C) Most of Clean and Lean's clientele do their wash in the morning.
- (D) It is good business practice to give people somewhere to wash their clothes after they have exercised.

20. Which of the following is closest to the meaning of the joint was already hopping as it is used in the passage?

- (A) Massage therapy had already begun.
- (B) The place was already busy.
- (C) The aerobics class had already begun.
- (D) One of the washing machines was already out of order.

*LkhaonKhaol*, the popular masked theater of Cambodia, revolves around the story of *Ramayana*. In this epic drama, the god Vishnu takes the human form of Rama, devoted husband to the beautiful Sita. The main plot involves Sita's abduction by Ravana, a demon-king, and Sita's heroic rescue by Rama.

In the masked theater, all roles are played by men. Traditionally, men accepted into a masked theater troupe perform with that troupe for the rest of their lives, perfecting their roles and enjoying the admiration and respect of the community. Most performers join the troupe as young boys, initially acting as members of Rama's court. The most promising performers advance to the more exacting roles of warriors and giants. Only a youth who shows special dancing ability, however, may be selected to study the role of Ravana. This role has gestures quite different from those of other characters and can be learned only after mastering a subordinate role. Over time, members of the troupe might perform in a variety of roles, but it is more common for the same man to perform the same character for many years.

In the past, masked theater was presented only in those villages that were home to resident troupes. Masked theater disappeared during the Cambodian civil war of the 1970s and 1980s but is being reestablished today with the help of the few surviving members of prewar troupes.

21. Which of the following would be the most appropriate title for this passage?

- (A) The Revival of Cambodia's Masked Theater
- (B) Theater Troupes and Village Life in Cambodia
- (C) The History of Theater in Cambodia
- (D) Performers in the Masked Theaters of Cambodia

22. According to information presented in the passage, the role of Ravana is played only by performers who:

- (A) began to perform at an early age.
- (B) have special dancing skills.

- (C) can play a variety of roles.
- (D) are older and more experienced.

23. Which of the following inferences may be drawn from information presented in the passage?

- (A) Women participate in backstage work at masked theater performances.
- (B) Today, there are more masked theaters in Cambodia than there were before the Cambodian civil war.
- (C) Advancement in the masked theaters is based on skill and experience.
- (D) The texts for masked theater productions have never been written down.

24. Which of the following is the best meaning of the word abduction as it is used in the first paragraph of the passage?

- (A) arrest
- (B) kidnapping
- (C) recapture
- (D) rejection

25. Which of the following statement is NOT true?

- (A) After the Cambodian civil war, there was little interest in restoring Cambodian cultural traditions.
- (B) Masked theater disappeared during the Cambodian civil war.
- (C) LkhaonKhaol is about the story of Ramayana.
- (D) The role of the demon-king requires a different ability from other characters.

It looked like a typical business meeting. Six men neatly dressed in white shirts and ties filed into the boardroom of a small Jakarta company and sat down at a long table. But instead of consulting files or hearing reports, they closed their eyes and began to meditate, consulting the spirits of ancient Javanese kings. Mysticism touches almost every aspect of life in Indonesia and business is no exception. One of the meditators said his weekly meditation sessions are aimed mainly at bringing the peace of mind that makes for good decision-making. But the insight gained from mystic communication with spirits of wise kings has also helped boost the profits of his five companies.

Mysticism and profits have come together since the 13<sup>th</sup> century introduction of Islam to Indonesia by Indian Moslem merchants. Those devout traders, called

‘WaliUllah’ or ‘those close to God,’ energetically spread both trade and religion by adapting their appeals to the native mysticism of Java. Legends attribute magic power of foreknowledge to the WaliUllah. These powers were believed to be gained through meditation and fasting.

Businessman Hadisiko said his group fasts and meditates all night every Thursday to become closer to God and to contact the spirits of the great men of the past. “If we want to employ someone at the managerial level, we meditate together and often the message comes that this man can’t hold onto money or he is untrustworthy. Or maybe the spirits will tell us he should be hired.” Hadisiko hastened to add that his companies also hold modern personnel management systems and that formal qualifications are essential for a candidate even to be considered. Perspective investments also are considered through mystic meditation. “With the mind relaxed and open, it is easier to be objective in judging the risk of a new venture. Meditation and contact with the wisdom of the old leaders sharpens your own insight and intuition. Then you have to apply that intuition to the information you have and work hard to be successful.” Mystic meditation helped reverse a business slide his companies experienced in the mid-1980. Operating with normal business procedures, he lost more than \$3 million in that year alone. Meditation brought back his peace of mind. Putting the right persons in the right jobs and gaining confidence in his business decisions were the keys to a turning around that has brought expansion and profitability. The mysticism in Handspike’s boardroom is part of a growing movement in Indonesia called Kebatinan – the “search for the inner self.”

One of his managers, Yusuf Soemado, who studied business administration at Harvard University, compared the idea of mystic management to western system of positive thinking. “Willpower and subconscious mind are recognized as important factors in business. Such approaches as psycho-cybernetics, Carnegie’s think and growth rates, or the power of positive thinking are western attempts to tap the same higher intelligence that we contact through meditation,” he said.

26. What is the most important factor in their doing business?

- (A) Mysticism
- (B) Religion
- (C) Meditation
- (D) Investment

27. Whom do they consult?
- (A) The spirits of ancient Javanese kings.
  - (B) WaliUllah
  - (C) Old Kings
  - (D) Carnegie
28. Why did Hadisike hasten to add “his companies also hold modern personnel management systems...”?
- (A) He thought Mysticism was not so good as expected.
  - (B) To show they too focused on qualifications.
  - (C) To show they hired qualified persons.
  - (D) To show the possibility of combination of the scientific management with religion.
29. According to the passage, the function of the meditation is to gain \_\_\_\_.
- (A) profit from the god
  - (B) peace of mind to make decision
  - (C) foreknowledge
  - (D) objective conclusion
30. What does “operating with normal business procedures” refer to?
- (A) Adopting the western way of doing business.
  - (B) Ordinary way of doing business without meditation and fasting.
  - (C) Contact with God.
  - (D) Putting right persons in the right jobs.

**Part 3: Writing (40%)**

Many universities in Taiwan ask students to evaluate their teachers. What is your opinion on this? Do you agree or disagree? Use specific reasons and examples to support your opinion. Your writing should be around 120 words.

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數位內容科技概論試題

適用學系：數位內容科技學系碩士在職專班

一、選擇題（60%，每題 6%）

1、以下何者為印表機列印速度單位？

- (A) bps      (B) dpi      (C) PPM      (D) Hz

2、二進位 11001 的二補數為多少？

- (A) 00111      (B) 00110      (C) 11001      (D) 01010

3、請問關於 ASCII 的描述何者錯誤？

- (A) 最多可表示 1024 種字元      (B) 編碼長度為 8 位元  
(C) 沒有對中文字編碼      (D) 處理文字的編碼規則

4、以下何者不是無線通訊協定？

- (A) WiFi      (B) ZigBee      (C) RSA      (D) Bluetooth

5、有關「數位藝術」型態產生的時間描述，以下何者為非？在

- (A) 歐普藝術 (OP Art)、極簡主義 (Minimalism) 之前  
(B) 照相寫實主義 (Photo Realism)、錄影藝術 (Video Art) 之後  
(C) 觀念藝術 (Conceptual Art) 之後  
(D) 地景藝術 (Earth Art) 之後

6、有關語音數位化過程的描述，下列何者為非？透過

- (A) 取樣      (B) 分類      (C) 量化      (D) 編碼

7、有關 MP3 格式儲存的描述，下列何者為真？

- (A) 大約是 WAV 格式的 1/4      (B) 大約是 WAV 格式的 1/8  
(C) 大約是 WAV 格式的 1/10      (D) 大約是 WAV 格式的 1/20



8、下列何種圖檔格式，最多只能使用 256 色？

- (A) BMP      (B) GIF      (C) JPEG      (D) UFO

9、下列有關影像檔案格式的敘述，何者不正確？

- (A) GIF 具有交錯式展示效果      (B) JPG 採用非破壞性壓縮  
(C) PNG 可以製作透明背景圖片      (D) TIFF 適合印刷輸出

10、Happening 又稱？

- (A) 新媒體藝術      (B) 達達主義      (C) 新藝術運動      (D) 偶發藝術

一、問答題 (40%)

1、一個長度為 3 秒的影片，影片更新率為 16fps，解析度為 320x200，色彩深度為 8 bits，此影片沒有經過任何壓縮或是簡化的處理，請問其原始大小為多少 MB？(10%)

2、請設計一個網頁平台用以推廣「電動機車」，請設計以下項目。

**(得以鉛筆繪圖，請於答案卷最後所附空白紙作答)**

- (A) 網頁介面設計 (15%)  
(B) 網頁開頭動畫之圖文構成 (15%)