

I. Multiple Choice Questions: Choose only one correct answer to each question 60%

Part A. Vocabulary 20%

- \_\_\_\_ 1. Taiwan today is a \_\_\_\_\_ democracy with a highly competitive market-oriented economy.  
(A) hulking (B) humpy (C) hurly-burly (D) hole-and-corner
- \_\_\_\_ 2. CD sales have been declining year-on-year with the introduction of CD \_\_\_\_\_ and MP3 files.  
(A) burners (B) collectors (C) composers (D) lovers
- \_\_\_\_ 3. We're always in search of \_\_\_\_\_ in technology development.  
(A) trespass (B) straightness (C) crackdown (D) breakthroughs
- \_\_\_\_ 4. Although youthful, vigorous and prosperous, the Taiwanese have become victims of an education system that seeks to produce \_\_\_\_\_ earners rather than original thinkers.  
(A) wholesome (B) high-wage (C) weary (D) high-handed
- \_\_\_\_ 5. John's \_\_\_\_\_ is bothering him because he lied to his colleagues.  
(A) consensus (B) conscience (C) consciousness (D) consentience
- \_\_\_\_ 6. Mary is very \_\_\_\_\_. She says exactly what she's thinking even if it hurts.  
(A) questionable (B) befuddled (C) bashful (D) blunt
- \_\_\_\_ 7. This gourmet restaurant has a most \_\_\_\_\_ group of patrons, including Catholics, Moslems, Buddhists and Hindus.  
(A) elated (B) elective (C) eclectic (D) elastic
- \_\_\_\_ 8. Investors have become more \_\_\_\_\_ after the recent stock market crash.  
(A) circumspect (B) circumfluent (C) circumjacent (D) circumpolar
- \_\_\_\_ 9. In Chinese, there is no \_\_\_\_\_ at the end of a word to indicate the plural form.  
(A) inflection (B) infliction (C) inflation (D) infraction
- \_\_\_\_ 10. The \_\_\_\_\_ growth in the number of users of the Internet is the most amazing phenomenon in mass communication in recent years.  
(A) explorative (B) exponential (C) expiatory (D) explicable

Part B. Grammar 20%

- \_\_\_\_ 11. The music is becoming more diverse that young people \_\_\_\_\_ complete freedom to access and exchange information.  
(A) having (B) being (C) were (D) have had
- \_\_\_\_ 12. Without direct access to information and resources in WHO (World Health

- Organization), Taiwan \_\_\_\_\_ to fight diseases on its own.  
(A) has had (B) had being (C) has been (D) was
- \_\_\_\_\_ 13. Tina is so candid that when I'm listening to her, I feel \_\_\_\_\_ she is my trust friend.  
(A) even if (B) as if (C) what if (D) that if
- \_\_\_\_\_ 14. Nowadays, the television \_\_\_\_\_ as a babysitter, with nannies particularly.  
(A) was used (B) has using (C) is being used (D) is been used
- \_\_\_\_\_ 15. Susan \_\_\_\_\_ stupid all in her life.  
(A) has been being (B) is been (C) has being (D) was been
- \_\_\_\_\_ 16. The agency sent us several applicants, the most qualified \_\_\_\_\_ was the first one.  
(A) that (B) whose (C) in whom (D) of whom
- \_\_\_\_\_ 17. It has been suggested that each member \_\_\_\_\_ some money for the renovation of the clubhouse.  
(A) contributes (B) has contributed (C) contribute (D) has been contributed
- \_\_\_\_\_ 18. It \_\_\_\_\_ by many that she had married for money.  
(A) is thinking (B) thinks (C) was thought (D) thought
- \_\_\_\_\_ 19. I haven't gone to that exhibit yet, nor do I have any intention \_\_\_\_\_.  
(A) x (B) to (C) in (D) of
- \_\_\_\_\_ 20. \_\_\_\_\_ every effort is being made to improve the financial condition of this company, the term of the loan will be extended.  
(A) As much as (B) As well as (C) Since that (D) Inasmuch as

Part C. Cloze Test 20%

The talented Tom Hanks has played many different movie roles. Terminal is the first movie \_\_\_\_\_ 21 \_\_\_\_\_ he must speak with a European accent. He plays Viktor, a traveler \_\_\_\_\_ 22 \_\_\_\_\_ small country is destroyed by war when he takes a plane to America. Viktor cannot return home, \_\_\_\_\_ 23 \_\_\_\_\_ can he enter the U.S. Then he falls in love with a pretty flight attendant and \_\_\_\_\_ 24 \_\_\_\_\_ plan an escape!

- \_\_\_\_\_ 21. (A) in which (B) where (C) that (D) which  
\_\_\_\_\_ 22. (A) that (B) whom (C) who (D) whose  
\_\_\_\_\_ 23. (A) nor (B) or (C) seldom (D) even  
\_\_\_\_\_ 24. (A) is (B) have (C) must (D) ought

The roommate situation is the first challenge students face. Learning to tolerate a stranger's idiosyncrasies \_\_\_\_\_ 25 \_\_\_\_\_ teach flexibility and the art \_\_\_\_\_ 26 \_\_\_\_\_ compromise. But the learning process is often painful.



\_\_\_25. (A) ought (B) may (C) like (D) as

\_\_\_26. (A) in (B) at (C) of (D) on

Campus officials say that communicating on the Internet or roaming the huge universe of information \_\_\_27\_\_\_ the World Wide Web holds an especially powerful lure for many college students \_\_\_28\_\_\_ it takes them \_\_\_29\_\_\_ a vast new realm of learning and research, usually \_\_\_30\_\_\_ no cost.

\_\_\_27. (A) on (B) in (C) at (D) of

\_\_\_28. (A) which (B) whose (C) what (D) because

\_\_\_29. (A) for (B) into (C) of (D) at

\_\_\_30. (A) of (B) on (C) at (D) in

II. Reading Comprehension: Choose the best one answer to each question  
20%

Learning is an active, constructive process whereby the learner strategically manages the available cognitive resources to create new knowledge by extracting information from the environment and integrating it with information already stored in memory. With the rapid development of computer technology and its application in language instruction, many researchers in the past ten years have engaged in the study of this kind of active and constructive learning process in multimedia environment. Researchers have found that a multimedia learning environment provides the means to facilitate the learning process by manipulating the availability of specific information at a given moment, by controlling the duration of that availability, by varying the way information is presented, and by ensuring the ease with which it can be searched.

\_\_\_31. What is the main idea of the passage?

(A) Multimedia learning environment organizes the information for learners.

(B) Multimedia learning environment differs from computer technology.

(C) Multimedia learning environment provides the availability in the learning process.

(D) Multimedia learning environment controls the duration of learning.

\_\_\_32. Which one of the followings can identify the topic?

(A) Researchers have pointed out the rapid development of learning.

(B) Multimedia environment facilitates the learning process.

(C) The learner extracts information and stores in memory.

(D) Learning is an active and constructive process.

Complimenting is a kind of speech act belonging to the category of expressives.

Complimenting is a positive politeness strategy aiming to praise the addressees for a past or present action. In other words, compliments are prime examples of speech acts that notice and attend to the hearer's interests, wants, and needs. A frequent denotation is Holmes's (1988:446) definition: "A compliment is a polite speech act which explicitly or implicitly attributes credit to someone other than the speaker. Usually, the person addresses for something good which is positively valued by the speaker and hearer." She defines a compliment as a speech act that is accomplished either explicitly or implicitly to express admiration or approval for some good of the addressee. In such a situation, explicit compliments are those whose meaning is understood literally, as in a direct speech act. Similarly, implicit compliments account for indirect speech acts whose meaning can be inferred among participants.

- \_\_\_\_ 33. Which one of the followings expresses the topic of this passage?
- (A) The various categories of expressives
  - (B) The direct and indirect speech acts
  - (C) The positive politeness strategy of the speakers
  - (D) The definition and classification of compliments
- \_\_\_\_ 34. Which one of the followings is not correct?
- (A) Compliments notice the hearer's interests and needs.
  - (B) A compliment expresses admiration for something good of the addressee.
  - (C) A compliment is a polite speech which is valued by the speaker.
  - (D) Implicit compliments are those whose meaning is understood literally.

Traditionally, sculpture as a genre has not been as powerful of a creative phenomenon in Pacific-rim cultures like China, Japan or Korea. But it has thrived in cultures of the Aegean, like the Cycladic islands and later the mainland of Greece centering on Athens where stone sculpture reached its apogee early, attaining ease and fluidity in the round, as well as becoming a palpable conveyor of motion and emotions. To this day, Europeans walking the streets, let alone going into cathedrals or museums, are profoundly familiar with images of solid forms moving in space.

- \_\_\_\_ 35. The passage is about \_\_\_\_.
- (A) Aegean
  - (B) space
  - (C) sculpture
  - (D) genre

After I had been living in Singapore for 18 months, my return to the U.K. was depressing when it came to fish dinners. Having enjoyed my sojourn in Southeast Asia and discovered Asian wet-market culture with the wonderful selection of live seafood and fresh fish including blue-fin tuna, wild sea bass, and coral grouper, going home was a shock. Of course, in the U.K. we have superb cold-water fish such as



halibut, cod, and haddock, but when you buy seafood you'll find yourself gazing in disbelief at the prices and at the sorry-looking half-frozen display of defrosting specimens that an Asian chef would reject immediately.

- \_\_\_\_ 36. Which one of the followings is not listed in the passage?  
(A) geographic region (B) restaurants (C) delicious dishes  
(D) markets
- \_\_\_\_ 37. What might be a good title for this passage?  
(A) Prices of Fish (B) Defrosting Specimens (C) Southeast Asia  
(D) Wet-market Culture

If you are a frequent patron of fast-food restaurant in Taipei, you may have discovered that most stores have added some new dishes to their menus. For the first time since it set up shops in Taiwan 19 years ago, KFC has introduced a pork burger. McDonald has also added a pork burger to its offerings, and Japanese-owned Mos Burger has started to serve a shrimp burger and seafood meals.

All of the changes were adopted to make up for declining sales of chicken and beef following the spread of avian influenza across 10 countries in Asia since mad cow disease discovered on December 23, 2003 in Washington State in the United States. Although the bird flu has appeared in Taiwan located as the weaker strain this year, the government's Council of Agriculture reports that at least affected 371,000 chickens and ducks had been put to death in the end of February. With regard to the mad cow disease, the government stipulated that any beef containers packaged after December 24, 2003 would not be allowed to enter Taiwan.

- \_\_\_\_ 38. Which one of the followings is not correct?  
(A) The avian flu and mad cow disease have caused consumers to promote seafood.  
(B) The bird flu has appeared in Taiwan located as the weaker strain.  
(C) The government stipulated a ban on beef imports.  
(D) Fast-food restaurants set up in Taiwan nineteen years ago.
- \_\_\_\_ 39. The main idea of this passage is that \_\_\_\_\_.  
(A) fast-food restaurants have added new dishes for consumers.  
(B) the spread of avian influenza comes across ten countries in Asia.  
(C) the owners of the fast-food restaurants acknowledge the great impact on the diseases.  
(D) mad cow disease has been discovered in Washington State in the United States.
- \_\_\_\_ 40. It can be inferred from this passage that \_\_\_\_\_.  
(A) fast-food restaurant owners welcome beef imports from mad-cow-

disease-free countries.

- (B) fast-food restaurants have to revise their menus or sources of supply.
- (C) the wave of international epidemics has triggered considerable anxiety among government workers.
- (D) the sales of chicken and beef have been changed to well-cooked rice.

III. Writing an Essay 20%

Topic: Art is engendered in the genuine creativity and inspiring originality. Some say that genius is liberated only when the artist remains deaf to outside noises, deeply fascinated by, and more than satisfied with, the ever-expanding horizons within. What are your viewpoints and expectations about genius?

1. 試述厭氧菌藥物敏感性試驗有哪些方法及其判讀。
2. 試述血液瓊脂平板(blood agar plate)常用於臨床檢體細菌的培養和分離之目的。
3. 試述白色念珠菌(*Candida albicans*) 的鑑定方法。
4. 試繪圖並說明麴菌(*Aspergillus*)與青黴素(*Penicillium*)構造的差異。
5. 試述分枝桿菌的藥物敏感性試驗有哪些方法及其判讀。
6. 試述 ESBL(Extended-spectrum- $\beta$ -lactamase)的種類以及 ESBL 菌株的鑑定方法。
7. 簡述下列染色方法的步驟及其判讀。
  - (1). Gram stain
  - (2). Loeffler's methylene blue stain
  - (3). Acridine Orange stain
  - (4). Silver stains

## 高雄醫學大學九十三年度碩士班考試 臨床生化學

1. On a proficiency survey, fixed criteria of  $\pm 0.2$  mmol/L were used for  $K^+$  evaluation. For BUN, limits of acceptability were  $\pm 2$  SDI from peer group results. Lab. A's proficiency report is as follow:

Tests	Lab A	Target	Peer Group	Peer Group
	Result	Value	Mean	SD
$K^+$	4.0	4.3		
BUN	24		21	1.5

- (A). Please calculate the acceptability limits for  $K^+$  and the SDI for BUN result. (5%)  
 (B). What's the evaluation results, acceptable? or outside the acceptable? (5%)

2. A laboratory evaluates a new pregnancy test. The laboratory enlists 800 study persons, 300 pregnant females and 500 nonpregnant females. The laboratory lists the following data:

Test Results	Number of Pregnant subjects	Number of Nonpregnant subjects
Positive	250	4
Negative	50	496
Total	300	500

- (A). Please calculate the diagnostic sensitivity and the specificity. (5%)  
 (B). What's the meaning from the results? (5%)

3. During an annual mammogram, a lump is detected in the breast of a 42-year-old woman. She is referred to a surgeon, who removes the lump and performs a biopsy of the surrounding tissue and lymph nodes.

- (A). What roles do tumor markers have in determining if malignancy is present? (5%)  
 (B). Please describe the methods routinely used for measuring the tumor markers at present. (5%)

4. A 32-year-old male asthmatic patient with an allergy to penicillin was being treated for asthmatic bronchitis with a standard-dose regimen of oral theophylline and erythromycin.

- (A). To what class of drugs does theophylline belong? (3%)  
 (B). What is meant by steady state? (3%)



(C). At what time should blood be sampled to reflect trough and peak level concentrations? (4%)

5. Describe the biologic functions and the assay methods of the following trace metals: (30%)

- (A). Fe
- (B). Zn
- (C). Cr
- (D). Mg
- (E). Cu
- (F). Se

6. Describe the methodology of the laboratory procedures used in the evaluation of liver functions. (10%)

7. 多重配合題: (20%)

(1). Homocysteine	(A). Phospholipids
(2). Bone-specific ALP	(B). Ponceau-S
(3). HbA1c	(C). Triglyceride
(4). Serum protein electrophoresis	(D). Deoxypyridinoline (DPD)
(5). High density lipoprotein	(E). Rosalki method
(6). Alpha-fetoprotein	(F). CLIA
(7). Troponin I	(G). Cardiomarker
(8). Biuret method	(H). Urinary proteins
(9). Jaffe' reaction	(I). Affinity chromatography
(10). CK	(J). Osteoblast
	(K). Serum proteins
	(L). Hepatoma
	(M). Creatinine
	(N). Marker for long term monitoring D.M.
	(O). Contain 50% of protein