

國立臺中教育大學 100 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招生考試

英文試題

適用學系:語文教育學系、數位內容科技學系

I. Vocabulary: select the best answer for each item.(30%)

1. It has long been a dream of many people—the ability to ____ with animals and know what they're thinking.
A. fight
B. compete
C. communicate
D. retreat
2. According to him, women are more ____, or talk more, in private situations, where they use conversation as the “glue” to hold relationships together.
A. verb
B. verbose
C. verbiage
D. verbalized
3. As in many religions ____, caves deep inside mountains seem to have been important holy places for Buddhists.
A. worldly
B. worldview
C. worldwide
D. worldly-wise
4. Travelers to foreign ____ took with them ideas about art, architecture, styles of living, and religion.
A. regions
B. legions
C. story
D. history

5. Advertisers take ____ of our need for a good self-image, our desire to appear attractive, successful, and even exciting.
- A. use
 - B. usage
 - C. vantage
 - D. advantage
6. The greatest ____ of the Olympic Games has been its peacefulness.
- A. complication
 - B. inhabitation
 - C. promotion
 - D. achievement
7. The typical Japanese diet now includes large amounts of meat, dairy products, and ____ like tiramisu, a rich Italian dish full of chocolate, cheese, and sugar.
- A. desert
 - B. deserts
 - C. desserts
 - D. deserter
8. A 35-year-old divorced mother has ____ of her three children.
- A. custody
 - B. custodian
 - C. custom
 - D. customer
9. Housekeeping and laundry services will be _____ 24 hours a day.
- A. avail
 - B. availing
 - C. availed
 - D. available
10. Some employees are satisfied with their current working hours, but many of them find the present system ____.
- A. restrain
 - B. restraint
 - C. relent
 - D. restrictive

11. If you can supply suitable _____, we may place regular orders for a large quantify.
- A. goofy
 - B. goof
 - C. goods
 - D. fluffy
12. I had the _____ of knowing Sir James for many years and always regarded him as a personal friend.
- A. privilege
 - B. privy
 - C. contract
 - D. contraction
13. His _____ left a lot to be desired, and he had a disturbing influence on other members of our staff.
- A. punctuality
 - B. coarse
 - C. averse
 - D. prudent
14. We would be _____ if you would tell us whether you have found this company to be thoroughly reliable in their dealings with you.
- A. oblige
 - B. obliged
 - C. obligate
 - D. obligating
15. We have _____ many similar heating systems in your area.
- A. instilled
 - B. installed
 - C. replete
 - D. replica

II. Vocabulary: select the best answer for each item. (20%)

16. If we could identify these revolutionary movements in their _____ state, we would be able to eliminate serious trouble in later years.
- A. nascent
 - B. nadir
 - C. naivete
 - D. nebulous
17. It was her view that the country's problems had been _____ by foreign technocrats, so that to invite them to come back would be counterproductive.
- A. delivered
 - B. exacerbated
 - C. praised
 - D. acquitted
18. In front of an invited audience, the U.S. president signed a _____ health care reform bill into law.
- A. swathing
 - B. sweltering
 - C. sweeping
 - D. swaying
19. Oil and natural gas exist on this planet in a limited supply. Therefore it is essential for us to develop _____ to these nonrenewable energy sources.
- A. infinitives
 - B. explosives
 - C. relatives
 - D. alternatives
20. The oppressed must never allow the conscience of the oppressor to slumber. To accept injustice or _____ passively is to say to the oppressor that his actions are morally right.
- A. segregation
 - B. evolution
 - C. revolution
 - D. inflation

21. Hydrogen is the _____ element of the universe in that it provides the building blocks from which the other elements are produced.
- A. fundamental
 - B. steadiest
 - C. cryptic
 - D. expendable
22. Negotiation between the union and the employers have reached a _____; neither side is willing to budge from previously stated positions.
- A. stamina
 - B. statute
 - C. stalemate
 - D. stature
23. Since she believed him to be both candid and trustworthy, she refused to consider the possibility that his statement had been _____.
- A. irrelevant
 - B. incredible
 - C. insincere
 - D. illicit
24. Due to the ash in the air that can disable jet engines, airports across Europe were forced to close, _____ tens of thousands of passengers.
- A. standing
 - B. stabilizing
 - C. steepening
 - D. stranding
25. Established in 1890 in east-central California, Yosemite protects a beautiful natural area that has become a world-renowned playground for outdoor _____.
- A. professors
 - B. amateurs
 - C. professionals
 - D. enthusiasts

III. Cloze : select the best answer for each item.(20%)

America's present need is not heroics, but healing; not nostrums, but 26; not revolution, but restoration; not 27, but adjustment; not surgery, but 28; not the dramatic, but the dispassionate; not experiment, but equipoise; not 29 in internationality but sustainment in triumphant nationality. It's one thing to battle successfully against the world's domination by a military 30 because the infinite God never intended such a program; but it's quite another thing to revise human nature and suspend the fundamental laws of life and all of life's requirements.

26. A. noisome
B. normalcy
C. nomadic
D. nostalgia

27. A. agitation
B. abomination
C. acknowledgment
D. assessment

28. A. sense
B. sensibility
C. serenity
D. sensuality

29. A. subjugation
B. subsistence
C. subversion
D. submergence

30. A. bureaucracy
B. autocracy
C. democracy
D. theocracy

I have sought love, first, because it brings ecstasy—ecstasy so great that I would often have 31 all the rest of my life for a few hours for this joy. I have sought it, next, because it 32 loneliness—that terrible loneliness in which one shivering consciousness looks over the 33 of the world into the cold unfathomable lifeless 34. I have sought it, finally,

because in the union of love I have seen, in a mystic miniature, the 35 vision of the heaven that saints and poets have imagined. This is what I sought, and though it might seem too good for human life, this is what—at last—I have found.

31. A. satisfied
B. sacrificed
C. sauntered
D. saturated

32. A. relieves
B. rebels
C. rectifies
D. redresses

33. A. rift
B. rigor
C. rim
D. risqué

34. A. abase
B. abuse
C. abstruse
D. abyss

35. A. precluding
B. prefiguring
C. prevaricating
D. predestinating

IV. English Composition (30%)

Instruction: Nowadays in Taiwan, numerous universities have set up graduation benchmarks in terms of students' English language proficiency. That is, before graduating, all enrolled students in all majors are required to pass one of the following English benchmark tests: GEPT, TOEIC, TOEFL in CBT or iBT, or IELTS at an equivalent level. What are your opinions toward this requirement? Please compose one to two paragraphs including around 150 words stating your points of view.

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計算機概論(含資料結構)試題

適用學系:數位內容科技學系

一、選擇題 (40%)

1. Ipv6 的位址長度為何? (A)128 Bits (B)64 Bits (C)256 Bits (D)512 Bits
2. Internet Explorer 運作屬於 OSI 的哪一層? (A)網路層 (B)傳輸層 (C)表達層 (D)應用層
3. 下列哪一種網路拓樸的容錯能力最高? (A)匯流排網路 (B)星狀網路 (C)環狀網路 (D)網狀網路
4. 在路由過程中,發送端必須知道接收端的 MAC 位址,發送端通常會以哪種協定取得接收端的 MAC 位址? (A)ICMP 協定 (B)PPP 協定 (C)ARP 協定 (D)IP 協定
5. 下列的時間複雜度 (time complexity) 中,何者的時間最大? (A) $O(\log\log n^3)$, (B) $O(n\log n)$, (C) $O(\log n^3)$, (D) $O(n^3/2)$
6. 一般高速印表機,印表速度之計量單位為? (A)TPI(Track Per Inch) (B)CPS(Character Per Second) (C)DPI(Dot Per Inch) (D)LPS(Line Per Second)
7. 依著作權法之規定,電腦程式的著作財產權存續至著作公開發表後多少年? (A)15 年 (B)30 年 (C)50 年 (D)100 年
8. 以下何者是網路傳輸速度的單位? (A)DPI (B)FPS (C)KBS (D)BPS
9. 00111100 的二補數為多少? (A)11000011 (B)00111101 (C) 11000100 (D)00111110
10. 請問以下哪個排序演算法效率較高? (A) 氣泡排序(Bubble Sort) (B)插入排序(Insertion Sort) (C) 快速排序(Quick Sort) (D)選擇排序(Selection Sort)

二、問答題

1. What problems will be encountered when handling hashing operations ? (10%)
What are the key points for designing a good hashing function ? (10%)
2. 請說明何謂搜尋引擎最佳化 (Search Engine Optimization, SEO) (20%)
3. 一張 3X5 照片以高彩(16bits)掃描，解析度設定為 400ppi，請問掃描後未壓縮的檔案大小為多少 KB ? (20%)

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數位藝術與設計(含多媒體概論及手繪)試題

適用學系:數位內容科技學系

一、選擇題(每題 5 分,共 40 分)

1. 對於 HSI 色彩系統的描述,以下何者為非? (A) 色相就是顏色的名稱,標準色輪上的位置取 0-359 度的數值 (B) 飽和度是指色彩的純度,取 0-100%的數值 (C) 亮度即是明度,取 0-100%的數值 (D) HIS 色彩模式是最接近人類對於色彩辨識的思考方式
2. 視訊 NTSC 標準規定一個畫面(Frame)由幾條水平掃描線組成? (A) 480 (B) 500 (C) 525 (D) 640
3. iPhone4 與 HTC 智慧型手機,最大的差異為何? (A) 觸控 (B) Flash (C) GPS (D) 電玩等功能
4. SCSI 最大的傳輸速率,以下何者為正確? (A) 120Mbps (B) 220Mbps (C) 320Mbps (D) 420Mbps
5. 下列何種檔案格式為印刷及出版業常用格式 (A) PNG (B) GIF (C) TIFF (D) JPG
6. 儲存下列何種影像組合所需的記憶空間最大? (A) 640×480 像素的 24 位元全彩影像 (B) 800×600 像素的 256 色影像 (C) 1240×768 像素的灰階影像 (D) 1400×800 像素的黑白影像
7. 哪一種設備通常使用「色減法」(CMYK)來輸出或輸入顏色 (A)顯示器 (B)掃瞄器 (C)光學投影機 (D)油墨印刷機
8. 下列有關向量圖的敘述何者錯誤 (A)存檔時只記錄座標各點距離等資料 (B)放大時不會出現鋸齒狀邊緣 (C).AI 是向量圖的一種 (D)支援的顏色較點陣圖多

二、問答題(60 分)

1. 何謂「數位藝術」請簡述之?(15 分)
2. 請就你曾經於展覽中所見過的「新媒體藝術」(New Media Art)的作品為例,論述其創作思想與特色。(15 分)

3. 請以「100年國慶日」系列活動為標題，設計一個活動標誌以及一個吉祥物（公仔），並將這些視覺要素運用於直式的海報設計中。（共30分）
- A. 「100年國慶日」標誌設計（10分）；設計說明（10分）
- B. 吉祥物造形設計（10分）