高雄醫學大學 102 學年度 研究所碩士班 招生考試 科目: 英文

請務必於試卷紙上作答,違者該科不於計分。

I. Vocabulary: Choo	ose the answer that best	t completes the sentence	e. (20%)
1. Having beautiful hair	t is such a sign of health	and attractiveness, parti-	cularly for white women, because their hair tends to be
very, and	it needs extra care.		
a. cybernetic	b. wasted	c. fragile	d. sober
2. Three Americans are	among those killed in a	deadly	last week in Algeria to rescue hostages taken when
Islamic militants overto	ook a gas facility.		
a. raid	b. inaugural	c. coverage	d. hug
3. Nehemiah Griego, w	ho is 15, said he had	and suicida	l thoughts before he grabbed a rifle from his parents'
closet and shot his moth	ner in her head.		
a. responsible	b. surgical	c. homewards	d. homicidal
4. Priests	of abuse were sent away	y for treatment, but often	only after long delays, and many cases slipped under
the radar.			
a. suspected	b. limited	c. struck	d. permitted
5. The number of kids _	with attentior	n deficit hyperactivity dis	sorder (ADHD) rose 24 percent between 2001 and 2010.
a. riddled	b. diagnosed	c. forced	d. regarded
6by the	kaiser Permanente Sou	thern California Institute	e, the study differs from previous ones in that it offered
a comprehensive look a	t medical records.		
a. Caused	b. Remained	c. tolerated	d. Conducted
7. "If there are people the	rying to do bad stuff to c	our guys, then we'll take	them out of the game, I suppose," he said in one of
several interviews	to the media.		
	b. emphasized	c. released	d. initiated
8. Two additional attac	kers, armed with automa	atic rifles, stormed the ar	ea and fought with security forces for nearly eight hours.
	nree police officers and a		
a. election	-	. regulation	d. display
9. British designer Mar		-	ts. Now an artist has reimagined them into vivid
photographs.	,	ı	C
a. reasonable	b. merciful	c. brutal	d. extravagant
10. While many people			at the Los Angeles Lakers star and his wife had dropped
		ay this was always the in	
a. stunned	1	•	gained
	0	nat best completes the s	-
-	tefor a lac	-	
a. down b.		d. out	
	ons came		
a. of b. X	c. for	d. up	
	calledvain	1	
a. in b. X	c. at	d. for	
			with the case against him.
	view c. note	d. think	
	ed today? It w		
a. on b.into	-	d. for	
			trase in the following passages (20%)
		с .	from the Bodleian Library in Oxford, now on view at
			191/2, by one Joshua Solomon Soncino. Not only is
	in the book we	r r r r r r r r r r r r r r r r r r r	, _, _, _, one costion solution solution i tot only is

it____16____, but it's poignant as well. The hand-colored decoration shows how fully its maker_____17____, and appreciative of, the Christian culture of the Italian Renaissance. (Identical decoration was used on a chivalric romance.) Yet at

試題 第1頁,共5頁。

this same time, Jews _____18____ in vast numbers from Spain and were confined to ghettos in Italy. The _____19_ and segregation made no cultural sense, but that didn't stop it ____ 20 16. a. gorilline b. gorger c. gorgeously d. gorgeous 17. a. was immersing b.immersing c. was immersed in d. immerse 18. a. were being expelled c. was expelled d. was expelling b. expel b. persecution 19. a. persecute to c. persecute d. persecuting 20. a. from happening b. happen c. happened d. on happening The foursome 21 _ a fishing expedition over the holidays and were headed back to Italy to start the new year. Missoni was expected to attend men's fashion week in Milan this week, but his plane disappeared from radar shortly 22_____from the island. At first glance, the ____23____seems like a standard air-to-sea accident, but the Missoni family is not yet ready to give up hope. "A plane ____24____ in this way, on a short route, without leaving any trace," Missoni's 28-year-old son Ottavio told an Italian newspaper last week. "I _____25 _____ that the least plausible reason is that they crashed into the water."

21. a. have	b. had been on	c. had been	d. have been on
22. a. of taking	b. after taking	c. after take off	d. after taking off

23. a. disappearedb. disappearsc. disappearanced. disappear24. a. cannot vanishb. is to vanishc. should vanishd. could be vanished

25. a. remain convinced b. convinced c. cannot convince d. am convince

IV. Written Expression: Identify the underlined word or phrase that must be changed in order for the sentence to be correct (14%).

26. a)<u>The Los Angeles City Council</u> voted b) <u>unanimous</u> last fall to c) <u>build a new football stadium</u> d) <u>in the heart of</u> downtown.27. Experts say a) sports teams rarely b) regulate cities the economic growth c) that is initially d) expected.

28. 2012 has been a)an 'awful' year b)for c)major Wall Street companies, so what should we d)impact in 2013?

29. a)Bonus and salaries b)have been cut at c)all of the big Wall Street d)firms.

30. a)<u>Instead just b)searching for content that already has its own page c)on Facebook</u>—think fan pages, groups, or events—Graph Search will d)<u>allow users to</u> make much more specific searches.

31. Google's a)<u>big shift</u> in search has been to move away from b)<u>display links</u> and letting users c)<u>go on their way</u> and answer more questions d)<u>directly through information in the Google universe</u>.

32. a)<u>It was an b)audaciously political speech</u>, a statement of personal and c)<u>partisan principle</u>, d)<u>rather</u> the expected broad bipartisan outreach.

V. Reading Comprehension: Choose the best answers to the following questions (36%)

The word *euthanasia* is of Greek origin and literally means "a good death." The American Heritage Dictionary defines it as "the act of killing a person painlessly for reasons of mercy." Such killing can be done through active means, such as administering a <u>lethal</u> injection, or by passive means, such as withholding medical care or food and water.

In recent years in the United States, there have been numerous cases of active euthanasia in the news. They usually involve the deliberate killing of ill or incapacitated persons by relatives or friends who plead that they can no longer bear to see their loved ones suffer. Although such killings are a crime, the perpetrators are often dealt with leniently by our legal system, and the media usually portrays them as compassionate heroes who take personal risks to save another from unbearable suffering.

The seeming acceptance of active forms of euthanasia is alarming, but we face a bigger, more insidious threat from passive forms of euthanasia. Every year, in hospitals and nursing homes around the country, there are growing numbers of documented deaths caused by caregivers withholding life-sustaining care, including food and water, from vulnerable patients who cannot speak for themselves.

While it is illegal to kill someone directly, for example with a gun or knife, in many cases the law has put its stamp of approval on causing death by omitting needed care. Further, many states have "living will" laws designed to protect those who withhold treatment, and there have been numerous court rulings which have approved of patients being denied care and even starved and dehydrated to death.

Because such deaths occur quietly within the confines of hospitals and nursing homes, they can be kept hidden from the public. Most euthanasia victims are old or very ill, so their deaths might be attributed to a cause other than the denial of care that really killed them. Further, it is often relatives of the patient who request that care be withheld. In one court case, the court held that decisions to withhold life-sustaining care may be made not only by close family members but also by a number of

試題 第2頁,共5頁。

third parties, and that such decisions need not be reviewed by the judicial system if there is no disagreement between decision makers and medical staff. The court rules that a nursing home may not refuse to participate in the fatal withdrawal of food and water from an incompetent patient.

33. As used in paragraph 1, which is the best definition of "lethal"?

a. proceeding in a gradual, subtle way b. referring to the effect or influence of one person, thing, or action

c. sufficient to cause death d. referring to promptness or speed in doing something

34.As mentioned in paragraph 2, "the perpetrators are often dealt with leniently by our legal system" because

a. the perpetrators are committing a crime b. the perpetrators are willing to stop their loved ones' pain and bear the risk of being charged with killing c. the perpetrators are heroes who are filled with compassion and portrayed by the media d. the perpetrators involve the deliberate killing of ill or incapacitated persons

35. In paragraph 3, one faces "a bigger, more insidious threat from passive forms of euthanasia" since

a. caregivers use active forms of euthanasia b. that caregivers withholding life-sustaining care is easier than using active forms of euthanasia c. food and water can involve in the deliberate killing of ill d. vulnerable patients accepts passive forms of euthanasia

36. In paragraph 4, "put its stamp of approval on" can be rewritten as

a. have or express an unfavorable opinion about somethingb. have the same characteristics or qualities asc. begrateful for somethingd. officially agree to or accept as satisfactory

37. The author maintains that death by withholding care is

A. largely confined to hospitals

B. difficult to prove if prosecuted

C. often requested by family members

D. approved by living wills

38. The attitude of the author can best be described as

a. objective b. partial c. passionate d. macaber

39. To conclude, euthanasia is a kind of

a. Greek death b. dehydrated death c. merciful death d. unbearable suffering

In his <u>thought-provoking</u> work, *Philosophical Investigations*, Ludwig Wittgenstein uses an easily conceptualized scenario in an attempt to clarify some of the problems involved in thinking about the mind as something over and above the behaviors that it produces. Imagine, he says, that everyone has a small box in which they keep a beetle. No one is allowed to look in anyone else's box, only in their own. Over time, people talk about what is in their boxes and the word "beetle" comes to stand for what is in everyone's box.

Through this curious example, Wittgenstein attempts to point out that the beetle is very much like an individual's mind; no one can know exactly what it is like to be another person or experience things from another's perspective—look in someone else's "box"—but it is generally assumed that the mental workings of other people's minds are very similar to that of our own (everyone has a "beetle" which is more or less similar to everyone else's). However, it does not really matter—he argues—what is in the box or whether everyone indeed has a beetle, since there is no way of checking or comparing. In a sense, the word "beetle"—if it is to have any sense or meaning—simply means "what is in the box". From this point of view, the mind is simply "what is in the box", or rather "what is in your head".

Wittgenstein argues that although we cannot know what it is like to be someone else, to say that there must be a special mental entity called a mind that makes our experiences private, is wrong. His rationale is that he considers language to have meaning because of public usage. In other words, when we talk of having a mind—or a beetle—we are using a term that we have learned through conversation and public <u>discourse</u> (rooted in natural language). The word might be perceived differently in each of our minds, but we all agree that it signifies something; this allows us to develop language for talking about conceptualizations like color, mood, size and shape. Therefore, the word "mind" cannot be used to refer specifically to some entity outside of our individualized conception, since we cannot see into other people's boxes.

40. According to the last paragraph, "the word "mind" cannot be used to refer specifically to some entity outside of our individualized conception" because

a. there is no way of checking or comparing what is going on in another person's mind

b. Wittgenstein's rationale is that a mind makes our experiences private

c. one often looks in someone else's "box"

試題 第3頁,共5頁。

- d. the word "mind" is an easily conceptualized scenario
- 41. Wittgenstein would most likely disagree with which of the following statements?
- A. It is impossible to know another person's thoughts.
- B. The mind is a special mental substance.
- C. The color green may actually look different to everybody.
- D. Words do not always accurately represent the things they symbolize.
- 42. As used in paragraph 3, which is the best definition or synonym for **discourse**?
- A. information given via the senses of sight or hearing

B. engagement

- C. announcement
- D. written or spoken communication
- 43. In paragraph 3, since a "word might be perceived differently in each of our minds"
- a. it is impossible for us to communicate
- b. one develops conceptualizations of various objects
- c. one has to study philosophy
- d. imagination is important in regard to thinking
- 44. In the first paragraph, "thought-provoking" means
- a. inspiring b. frustrating c. puzzling d. applicable

45. "Beetle" refers to

a. things that are put in boxes

b. everyone indeed has an insect in his head

c. the mind that is comparable to a box

d. Wittgenstein's attempt to communication

SOME sage once quipped that writing about music is about as edifying—and evocative—as dancing about architecture. Certainly most music criticism has a lifeless quality, packed with adjectives yet tuneless on the page. Yet Alex Ross, a music critic for the New Yorker, manages to stand out. His gifts as a writer are all the more impressive given that his subject tends to be the most difficult music composed in the last century, from Gustav Mahler to Steve Reich.

"The Rest is Noise", his best-selling 2007 book on the history of the 20th century through its music, is now being reworked as a year-long music festival at the Southbank centre in London. Although Mr Ross was not involved in organising the festival, he will be giving four lectures on the history of 20th-century music.

Mr Ross spoke to *The Economist* about why he wrote this book in the first place, and why it is particularly hard to get contemporary audiences excited about modern music.

"It took you ten years to write "The Rest is Noise". What was your motivation?"

"It emerged really from an obsession that I had with 20th-century music going back to my teenage years. At university I <u>immersed</u> myself in it very heavily with a radio show that I had. I was also studying literature and history—especially late-19th century and early-20th century period—so it all <u>coalesced</u>."

"I grew up listening to classical music in the traditional sense, from Bach to Brahms. That was the world I was completely absorbed in. I really didn't listen to any other kind of music aside from this repertory. So it was something of a shock to slowly realise that there was more to the story, and I was shocked and fascinated when my piano teacher in high school played works by Schoenberg, Berg and Bartok. I started making my way through them at the piano, and after an initial struggle, I really fell in love with the music. I was fascinated by the music itself, by the surrounding cultural and historical context, and wanted to figure out how it all fit together. So it seemed inevitable that this would be the subject."

46. In the last paragraph, "coalesced" means

a. merge	b. distribute	c.confuse	d. discriminate
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47. Most people think that music criticism is

a. contributive b. useless c. harmful d. vivid

48. Alex Ross

a. stands out playing music in a year-long music festival

b. organize music festival related to Mahler and Reich

c. gives lectures concerning the history of a certain period of music

試題 第4頁,共5頁。

d. studies literature and becomes a writer of novels

49. The **best** synonym for "immersed" is

a. fascinated b. persuaded c. extended

d. absorbed

- a. is an independent subject that does not involve its context
- b. usually has a great story

50. According to Ross, music

- c. always brings one struggle when one tries to play the piano
- d. is deeply related to culture and history

系所:公共衛生學碩士班、

醫務管理暨醫療資訊學系碩士班 -醫務管理組

高雄醫學大學 102 學年度 研究所碩士班 招生考試

科目: 生物統計學

請務必於試卷紙上作答,違者該科不於計分。

* 可使用電子計算機 *

1. 請加以評論下列問題。

(1)甲班同學生統成績資料如下:平均值70分、中位數74分、眾數85分。乙班同學生統成績資料如下:平均值70分、中位數68分、眾數65分。兩班成績平均值相同,是否可評論兩班之生物統計學成績之程度相當?(8分)
(2)將精神病人以配對方式分成A、B二組,使兩組病人年齡、性別、臨床症狀皆相同,分別接受A藥及B藥以了解精神疾病之發作或緩解情況。應利用何種統計方法最適合?此法的假設前提爲何?(8分)
(3)注射某血清的人有不良反應平均機率為0.005,改良此試劑後有600人接受注射,僅有一人產生不良反應,若想檢驗新試劑的不良反應率是否低於舊法,應利用何種統計方法最適合?此法的假設前提爲何?(8分)

2. 爲了解高雄市國中生近視比率,隨機抽出 500 位學生為一組樣本,此樣本近視率為 55%,請回答下列問題:

(1)此解釋在統計檢定中,第一類誤差、第二類誤差、P-value 與信賴區間的意義為何?(12分)

(2)請問高雄市國中生近視比率之95%信賴區間爲何?(5分)

(3)若要使抽樣誤差不大於 2%,應抽出多少樣本?(5分)

3.某研究進行 ANOVA 檢定 5 種藥物降血糖效果,每種藥物分別治療 20 位糖尿病人,其組間變異量為 418.4,組內變異量為 3312.3。(F_{0.95(4,15)}=3.06, F_{0.95(5,20)}=2.71, F_{0.95(4,95)}=2.51, F_{0.95(5,100)}=2.34) (20 分)

(1)請列出虛無假說與對立假說?

(2)F 值爲何?是否達統計顯著?並解釋檢定結果之意義?

(3)血糖的治療效果有多少百分比是因藥物不同所影響?

(4)進行事後檢定之目的爲何?

4. 某研究想了解膽固醇濃度與體重之間的關係。共分析 126 位參與健檢民眾體重與膽固醇的資料。分析結果如下,並回 答以下問題 (α=0.05) (20 分)

模式	未標準化係	標準化係數		
	β估計値	標準誤	β分配	
常數	32.41	7.62		
體重	4.22	0.65	1.24	

(1)寫出最小平方和迴歸線方程式?

(2)標準化迴歸係數如何計算?應用此統計量之目的爲何?

(3)請列出虛無假說與對立假說,試檢定體重是否為預測膽固醇之危險因子?

(4)若將自變項與應變項反置(將膽固醇當作自變項,體重當作應變項),則得到之迴歸係數及相關係數大小不變,此說法 是否正確?請評論。

5. 學者針對第二代健保實施前後對民眾進行滿意度調查,在實施前與實施三個月後各發一份問卷由相同民眾填寫,由很滿意至很不滿意五等級為5至1分,實施前後改變分數如下,用來評估實施前後滿意度調查是否改變。(14分)
(1) 利用 paired t-test 檢定是否合適?請評論。

(2) 建議使用何種統計方法? 此法優缺點分別為何?

前後改變分數	-5	-4	-3	-2	-1	0	1	2	3	4	5
人數	0	3	4	3	4	15	2	3	2	0	0

試題 第1頁,共1頁。

試題 第1頁,共1頁。

高雄醫學大學 102 學年度研究所碩士班 系所:醫務管理暨醫療資訊學系醫管組 招生考試 科目:醫務管理學

請務必於試卷紙上作答,違者該科不於計分。

試題請繳回 請在答案紙上作答

雨部份共計100分

簡答題:(每題10分,共四題)

- 1. 何謂損益兩平分析?試繪圖說明之。
- 2. 試簡述長期照顧的服務類型通常包括哪些?
- 3. 試簡述醫療品質的評估方法及列舉五種常用指標的名稱。
- 4. 試問二代健保改革的核心價值為何?二代健保修正案對於過度使用、不當浪費健保資源又有何規範?

申論題:(每題 20 分,共三題)

- 為加強醫療服務品質,建置以病人為中心之安全就醫環境,中央衛生主管機關訂定「101-102年度醫院醫療品質 及病人安全年度工作目標」,試說明其目標與執行重點。
- 2. 論質計酬制度(pay for performance; PFP)為一種新的支付制度概念,其目的是為了改善過去醫療行為一「不論醫療成效」的論量計酬制度之缺失,意即不再只是以論量計酬給付方式來計算醫師的報酬,而是轉為疾病管理的個案追蹤,將醫療品質與醫療財務聯結,將財務誘因由數量轉到品質。試說明論質計酬制度之種類,一個有效的論質計酬支付制度,應該包含有下列幾項要素,目前健保局已經推行哪些論質計酬的試辦方案,以及其優缺點為何?
- 3. 為維護全民健康與福祉,行政院衛生署秉持著全球化、在地化、創新化的思維,整合衛生醫療資源,用心規劃未來藍圖,針對醫療照護、疫病防治、全民健保、健康促進、食品藥物管理等攸關全民健康之議題,擬定整合及連續性之公共政策,提供完善且一體之服務,以「促進及保護全民健康福祉」為使命,以「落實品質、提升效率、均衡資源、關懷弱勢」為願景,讓全民更幸福、更健康。試說明行政院衛生署 102 年度施政計畫目標與重點。

試題 第 1 頁,共 1 頁。

糸所:醫務管理暨醫療資訊學糸碩士班-醫療資

高雄醫學大學 102 學年度 研究所碩士班 招生考試

訊組 科目:計算機概論

請務必於試卷紙上作答,違者該科不於計分。 名詞解釋:(合計 30分,每題6分)

- 1. Operation System
- 2. Cloud Computing
- 3. Web 2.0
- 4. Open System Interconnection Reference Model
- 5. Secure Sockets Layer , SSL

問答題:(合計 70 分)

- 1. 何謂資料庫?何謂關聯式資料庫?請比較其中之異同並舉例說明(10%)
- 2. 請說明在網際網路傳輸的過程中常見到的資訊安全威脅有哪些?請舉例說明(10%)
- 規劃一個醫療機構的硬體架構或環境中,可使用 Client-Server 或是 3(N)-Tier 架構,請比較兩者之異同,並說明何 者較適用在醫療機構,為什麼。(10%)
- 資料結構中排序的方法常見有氣泡排序或選擇排序法,例如陣列內容如下: Dim data() As Integer = {72, 88, 76, 92, 80, 95, 74, 77, 81, 96}, 請先比較兩者差異後,再擇其中之一方法進行編寫程式碼(建議C語言,其他亦可)(15%)
- 5. 因應高齡化及少子化之人口結構變化,及醫療照護分工日漸精細、醫療資訊科技亦日新月異等趨勢,衛生署提出「健康照護升值白金方案」,其中一項「智慧醫療服務」,您會因此聯想到哪些與資訊領域相關的名詞、觀念或 技術,並請簡述與智慧醫療服務的關係。(25%)

試題 第1頁,共1頁。