I、文意字彙: 下面 1~20 題,每題空格均附有備選答案,

科目:英文【教育所碩士班】

共千頁第1頁

1.5 分,共 30		医山水 ,业打	双观止IF台。(母超
Like fingerprints, eac everyone's DNA is di		is, which in	dicates clearly that
(A) essential (B	identical (	(C) complex	(D) unique
			arch must not include his
opinions or emotions			
(A) subjective (B)	objective (	(C) protective (	D) detective
3. They wanted to drive	to Taipei, but be	cause of the rain s	hower, they never reached
their			·
	origin (C	c) decoration (	D) destination
4. Listless and sleepless	are boths	of depression.	
(A) sympathy (B)	system (C)	symptom (	D) synonym
5. The residents of Taiw	van will march th	rough the local str	eets against the
Anti-Secession law is	ssued in China.		
(A) demonstrating	(B) decorating	(C) reflecting	(D) recreating
6. Every graduate stud Johnson's sharp cr (A) compressed	riticism.		with Dr.  sed (D) depressed
7. Jennifer got stomach			
(A) took			
8. A cat often its	back when in fig	ht or flight situatio	on.
(A) humps (H	3) jumps	(C) lumps	(D) dumps
<ol><li>It's dangerous to swir you away.</li></ol>	m in this river.	There is a very str	ong which can carry
(A) current (I			
<ol><li>That naughty boy is next.</li></ol>	full of	You never know v	what kind of trick he'll play
(A) mishap (	B) minority	(C) mischief	(D) minor
11. "Peter goes to churc	h every day" "	Oh? I didn't know	he was as as that."
(A) pompous	(B) pious	(C) sacred	(D) sacrifice
12. They don't seem to along the highway.		against littering he	ere. Garbage is all
(A) glittered (I	B) hooked (	(C) scratched (I	D) scattered
			't be gotten rid of easily.

科目: 英文【教育所碩士班】

共 4 頁 第 2 頁

(A) required (B) acquired (C) included (D) accumulated
14. Mr. Wallace can not give up smoking because he is to cigarettes.
(A) willing (B) addicted (C) interesting (D) hobby
15 me, there were three other visitors who were also graduate students of the
university.
(A) Beside (B) Moreover (C)In addition to (D) As well
16. Our salary is not to support our family, which means that we lead a poor
life.
(A) balance (B) modesty (C) adequate (D) suit
17. Nothing can the loss of his friend.
(A) explain (B) compensate for (C) undo (D)retaliate for
18. Learning how to respond to properly takes a long time.
(A) criticism (B) heyday (C) parade (D) skyscraper
19. If you want to succeed, you must what your professor tell you to do.
(A) obey (B) value (C) admire (D) reply to
20. In a formal paper it is to use footnotes each time a source is quoted.
(A) sensible (B) acceptable (C) satisfactory (D) mandatory
Ⅱ、語法選擇: 下面 21~40 題, 每題空格均附有備選答案,
可可以这1学,一回 41~40 硬,过硬气冷炉肿有油类合多。
請將最適合句意的答案選出來, 並按規定作答。(每題
請將最適合句意的答案選出來, 並按規定作答。(每題 1.5分,共30分)
請將最適合句意的答案選出來, 並按規定作答。(每題
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請將最適合句意的答案選出來, 並按規定作答。(每題 1.5 分,共 30 分)  21. Eastern meadowlarks abound in places, but eat harmful insects rather than grain. (A) land is cultivated there (B) there is land cultivated
請將最適合句意的答案選出來, 並按規定作答。(每題 1.5 分,共 30 分)  21. Eastern meadowlarks abound in places, but eat harmful insects rather than grain.  (A) land is cultivated there (B) there is land cultivated (C) where land is cultivated (D) where is cultivated land
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請將最適合句意的答案選出來, 並按規定作答。(每題 1.5分,共 30分)  21. Eastern meadowlarks abound in places, but eat harmful insects rather than grain.  (A) land is cultivated there (B) there is land cultivated (C) where land is cultivated (D) where is cultivated land  22 for mathematical precision been more apparent than in the field of computer technology.  (A) The need has nowhere (B) Has nowhere the need (C) Nowhere has the need (D) The need nowhere has  23. Not until 1868 made the capital of the state of Georgia.  (A) was Atlanta (B) when Atlanta was (C) Atlanta was (D) was when Atlanta

科目:英文【教育所碩士班】

共4頁第 3頁

25	. The boy's moth	ner was very angr	y becai	use there	books and clothing
	scattered aroun				
	(A) was	(B) were	· (C)	has been	(D) to be
26	. Having studied				that neither of your solution
	correct				•
	(A) is	(B) are	(C)	has been	(D) to be
27.		igh money then, l			
	(A) have	(B) had	(C)	have had	(D) had had
28.	It is time that s	he hard.			
	(A) study	(B) studies	(C)	should study	(D) has studies
29.		something to eat		_	•
	(A) No one wo	uld give them foo	d (B)	He bought so	me meat
	(C) they wish to			It is time	
30.	I propose that h	ie chairma			•
	(A) electing	(B) elected	(C	) elects	(D) be elected
31.	incer	nse is made in po	wder fo	orm or in sticks	•
		•			
	(C) Usually it is			Usually when	
32.	theor				the existence of the moon.
	(A) They have			There have bee	
	(C) Many				
33.	of th	e use of wool in f	abrics	as early as 4,00	00 B.C.
	(A) Evidence	•	(B)	It is evidence	
	(C) There is evi	dence	(D)	Evidence is	
34.	Lately, the price	es of the high-tecl	h secur	ities run	high many experts
	break their glas	ses. This situation	ı surpri	ses all the inve	stors on the market.
		(B) so; that			
					e decisions: long-term
		g-term Financing			
	(A) with	(B) to	(C)	upon (D	) of
36.	It is not easy to				be equipped with
		owledgee			
	(A) as many; as			as well; as	·
	(C) not only; bu	t also	. (D	) rather; than	,
37.	According to the	e results of the ex	perime	nt, George's ch	oice is wrong. That is he
	the other				<u> </u>
	(A) should cho	se	(	(B) should chos	sen
	(C) should hav	e chosen		(D) should had	•

科目:英文【教育所碩士班】

共 千頁 第4
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w long does it take to	go to the university?
eryday	(B) Two times
ree minutes	(D) Four kilometers
many times have you	been to the academic conference?
_·	
rst time come to the c	conference
the first time to be he	ere .
st time I come to the	conference
ome to the conference	e first time
you have to go to the	university tomorrow?
·*	
, I must not	(B) No, I don't
, I must	(D) Yes, I do
	rst time come to the of the first time to be he st time I come to the of tome to the conference

### III、請將以下這段英文翻譯為流暢可讀的中文(40分)

Public education in North America was not instituted as a path to equality, yet it has been deeply shaped by that ideal. Critique and struggle have taken up its implicit promise of universality and hence of equal opportunity. Ideal of equality were joined with the social need to generalize culture, knowledge, and skills. Education could be a way for people to become informed citizens, hence capable of true participation in a democratic society, and a means through which injustices and inequality could be rectified by standardizing opportunities to learn and advance.

科目:教育學【教育所碩士班】

共/頁第/頁

請注意 每題30分,解釋名詞每項5分。

- 一、教育部近年來推行的九年一貫課程改革,與一些現代教育思潮有密切的關聯, 聯,請就您所知而申論之。
- 二、我國高中畢業生所參加的學科能力測驗(簡稱「學測」)與英國的 GCE-A Level 考試、法國的 Baccalauréat、德國的 Abitur 等考試有何相同或相異之處?
- 三、請由知識社會學的觀點,分析國內推行課程統整的可行性與限制性。

#### 四、解釋名詞

- 1.人的研究(Man: A Course of Study)
- 2.專業發展學校(professional development schools)

科目:教育心理學【教育所碩士班】

共/頁第/頁

※教育心理學:請一律橫式依序題號逐題書寫

#### 壹、申論題(每題20分)

- 一、何謂創意思考(creative thinking)?如何評量?如何提升學生的創意思考能力。
- 二、何謂批判思考(critical thinking)?如何評量?如何提升學生的批判思考能力。
- 三、試從行為主義(Behaviorism)、認知理論(Cognitive theories)、人本主義
  (Humanistic) 和建構主義 (Constructivism) 之觀點解釋學習動機。
- 四、在教育心理的相關研究領域中,請接引相關的認知或教學心理學理論,分析 目前國中教師教學困難與國中學生學習痛苦的原因,並針對九年一貫教改的 理念與作法提出建設性的建議。

### 貳、名詞解釋 (每題 5 分)

- 1. Reciprocal teaching
- 2. Advance organizer
- 3. Automaticity theory
- 4. Deep processing approach vs. surface processing approach

科目:教育研究法【教育所碩士班】

共 3 頁 第 1 頁

- 一、選擇題 (每題兩分,共占 20%)
- 1 一樣本的觀測值爲 2, 1, 0, 4, 5, 則其中位數爲
  - (a) 5
  - (b) 4
  - (c) 0
  - (d) 1
  - (e) 2
- 2 下列敘述中,何者是不良的科學假設?
  - (a) 平均來說, 男人比女人長壽
  - (b) 太陽系的行星,以橢圓方式繞太陽運行
  - (c) 所有金屬遇熱膨脹
  - (d) 除了地球之外,在宇宙中某個星球的某處存在具有智慧的生物
  - (e) 光在不同的介質中,行進速率不同
- 3、下列有關信度係數的敘述中,那些是正確的
  - (a) 甲丁 (b) 乙丙 (c)甲丙 (d)乙丁 (e)甲乙丙

甲:增加測驗的長度,信度亦會增加

乙:樣本能力分配的變異數愈小者,信度係數值愈高

丙:試題難易適中時,所計算出來的信度係數値較小

丁:計分方式愈主觀者,信度係數值愈低

- 4、四年五班 (n=30) 期末考的數學成績平均分數為 62.56, 標準差是 6.23, 考慮 多種因素後, 考生每人加 5 分, 請問加分後的成績標準差是多少?
  - (a) 1.23
  - (b) 6.23
  - (c) 11.23
  - (d) 67.56
  - (e) 不能用以上資料判斷
- 5、下列何者<u>不一定都是</u>抽樣分配?
  - (a) t 分配
  - (b) 二項分配
  - (c) 常態分配
  - (d) 卡方分配
  - (e) F 分配

科目:教育研究法【教育所碩士班】

共 3 頁 第 2 頁

- 6、下面何者之敘述是錯誤的?
  - (a) 準實驗 (quasi experiment) 實驗者能有系統操作自變項,能控制實驗誤差
  - (b) 準實驗不能隨機分派受試者
  - (c) 準實驗無法系統的將誤差來源完全予以控制
  - (d) 真實驗 (true experiment) 能隨機分派受試者
  - (e) 不能用以上資料判斷
- 7、 全國 18 歲至 75 歲之男性當中,身高與體重之相關係數約為 0.4,則
  - (a) 較重之男性通常比較矮
  - (b) 如果一男性增重 10 公斤, 則他將長高許多
  - (c) 較高之男性通常比較重
  - (d) 如果一男性減重 10 公斤, 則他將長高許多
  - (e) 因爲數據不足, 故不能回答
- 第8至10題: 針對下列所陳述的三種情況,請指出各需要蒐集哪一種效度:
  - (a) 內容效度 (b) 預測效度 (c) 同時效度 (d) 建構效度
  - 8、測驗編制者新制訂了一套「焦慮評量表」,現要確認這份新量表所測得的 特質的確是一般所謂的 「焦慮」。
  - 9、測驗編制者編制了一份只要花 10 分鐘便能做完的的智力測驗,要證明這 份測驗所測量的與較昂貴的 Stanford-Binet 測驗所測得的特質相同。
  - 10、某一位導師想瞭解這次在她班上期末考不及格的同學,下學期在相關科 目的學習是否也會發生困難。
  - 二、解釋名詞(每題四分,共占 24%)
  - outliers
  - portfolio
  - 3 · constructivist paradigm
  - 4 · halo effect
  - 5 · coefficient of determination
  - 6 . Thurstone Scales
  - 三、申論題(第一及第二題各 19 分,第三題 18 分,共占 56%)
  - 1、假如你想研究國民小學實施早上上課或下午上課是否對學生的學業成績造成差 異?請假設一份實驗,儘量控制變因,寫出簡單計劃書一份,並說明如何回答 你的研究問題。

科目:教育研究法【教育所碩士班】

共3 頁 第3 頁

#### 2、試解釋並各舉一例說明下列辭彙之意義:

甲、概念(concept)

乙、假說(assumption)

丙、假設(hypothesis)

丁、定律(law)

戊、理論(theory)

#### 3、請解釋下表內容及各數字所代表的涵意。

Table 1 Item-analyses data derived from four multiple-choice items

	Group	Group Size	Response Alternatives <sup>1</sup>					Total No. Correct	Difficulty Index	(H-L)	Discrimination Index
			1	2	3	4	5	(H and L)	<u></u>		
Item	High	12	0	11	0	1	0	20	83%	2	+.17
1	Low	12	2	9	1	0	0	ļ <del>,</del>			<u> </u>
Item	High	25	2	2	<u>20</u>	1	0	26	52%	14	+.56
2	Low	25	5	8	<u>6</u>	2	4		<u> </u>	ļ	
Item	High	16	2 _	2	8	2	2	6	19%	-2	13
3	Low	16	4	3	4	1	4		<u> </u>	<u> </u>	
Item	High	30	20	3	2	1	4	28	47%	12	+.40
4	Low	30	8	1	9	9	3	<u> </u>	<u> </u>	<u> </u>	

<sup>1</sup> Underlined numbers indicate correct answers.