

國立高雄大學九十五學年度研究所碩士班招生考試試題

科目：英文

系所：都市發展與建築研究所

可

使用計算機

考試時間：100 分鐘

本科原始成績：滿分 100 分

否

注意事項：

作答時，請同學在答案紙上，依下列格式將題號以一系列五題的方式標示清楚，並請把對應各題號的答案書寫於其後方。

I. 1.	2.	3.	4.	5.
6.	7.	8.	9.	10.
II. 11.	12.	13.	14.	15.
16.	17.	18.	19.	20.
21.	22.			
III. 23.	24.	25.	26.	27.
28.	29.	30.	31.	32.
33.	34.	35.	36.	37.
38.	39.	40.		

I. Questions 1-10 are incomplete sentences. Four words or phrases, marked (a), (b), (c), (d) are given beneath each sentence. You are to choose the **one** word or phrase that best completes the sentence. 25%

- In order to _____ your E-mail messages, you must type in your password
(a) access (b) accessible (c) accessed (d) accessibility
- Health care _____ have been rising but so has the quality.
(a) cost (b) costs (c) costing (d) costly
- _____ spending is probably going to maintain this upward trend throughout the year.
(a) Consume (b) Consumer (c) Consuming (d) Consumed
- The architecture of New York _____ its importance as a center of world trade.
(a) realizes (b) inscribes (c) remembers (d) reflects
- I am honored to accept this award _____ our department director.
(a) in light of (b) because of (c) on account of (d) on behalf of
- Economists watch the business cycle as it goes through its various _____.
(a) segments (b) phases (c) sectors (d) divisions
- I'm sorry, but he is not _____ to his trust fund yet.

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- (a) authorized (b) allowed (c) accessed (d) entitled
8. The banks are very willing to give loans for home _____.
- (a) impropriety (b) improvements (c) improvisation (d) impulse
9. Only _____ families were invited to the gala event.
- (a) opulent (b) affluent (c) abundant (d) expensive
10. Ms. Yen's contribution to the company has been _____.
- (a) industrial (b) invaluable (c) indigenous (d) inclement
- II. In Questions 11-22, each sentence has four words or phrases underlined. The four underlined parts of the sentence are marked (a), (b), (c), (d). You are to identify the **one** underlined word or phrase that should be corrected or rewritten. 30%
11. Those who arrange the office should concentrate (a) on creating a space that is conductive (b) to work, free of disrupting (c), and unhampered (d) by nonessential foot traffic.
12. Sometimes circumstantial (a) force a supervisor (b) to become locked into (c) a commitment that is hard to get out of (d).
13. Luckily, our car insurance establishments (a) the time period within which they provide assistance, determines (b) the repair shops we can use, sets a free structure for payment (c), and provides a forum for resolving (d) billing errors.
14. The new accountant had erroneously (a) filed all of the taxes reports (b) with the wrong agency (c), causing a series of problems over (d) the weeks that followed.
15. Solar (a) technology is being development (b) around the world to keep pace (c) with the energy needs of developing countries (d).
16. Feared inflation (a), investors are not as willing (b) to make the bold moves that have characterized (c) the last six months (d) of stock market activity.
17. Our storeroom is full of software (a) programs that are either duplicates (b); not compatibility (c), or those that no one can figure out (d) how to use.
18. Chefs draw from cultural themes (a) and cooking methods (b) of many national origin which they incorporation (c) into meals that expand the tastes that one is accustomed (d) to.
19. A plan to reduce (a) the physical (b) space allotted to each employee is a recurs (c) idea that is usually initiated (d) by a new manager.
20. Employers recruit (a) candidacies (b) whose academic accomplishments (c) are commensurate (d) with the nature and demands of a job.
21. The new employee looked forward to (a) rapid promoted (b) through dedication (c) and high productivity (d).
22. Before boarding (a), check the valid (b) of your passport, that you have an extra copy of your itinerary (c), and that you are not carrying any prohibited (d) items.

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III. Reading. 45%

Questions 23-26 refer to the following investment information.

One out of every six Americans invests in stocks and bonds. And every single one of them is trying to find out which investment is best. Ideally speaking, the best advice would come from a person who knew everything about every company: what the products are, how big the demand will be, what the overhead is, etc. The list could go on for pages.

That would be the ideal picture. The other end of the spectrum would be advice based on hearsay.

The truth is, if you're going to take control of your financial investments, then either you have to do the research yourself, or find someone else you can rely on. Chances are you don't really have time to do the research. You're too busy making the money to invest. So how do you know which person or company to trust? How do you know if *they* are doing their homework?

Do some research. Ask some questions. You see, a good financial advisor will tell you how he comes up with his conclusions. He digs for the data. He finds out about a company's management. He visits factories. He looks at the potential for demand, watches the local political climate, etc.

So, if you really want to take control, you can, but you have to be willing to ask the questions. A good financial advisor is more than willing to tell you why he makes the decisions he does.

23. What is the topic of this passage?

- (a) Which companies to invest in
- (b) How to choose a financial advisor
- (c) How politics affect company profits
- (d) How to research stocks and bonds

24. What is the purpose of this notice?

- (a) To watch stockholders
- (b) To encourage investment
- (c) To advise inventors
- (d) To support independent business

25. What makes a good financial advisor?

- (a) Access to multiple stocks and bonds
- (b) A background in politics
- (c) A master's degree in economics
- (d) Knowledge of internal and external factors

26. How could someone manage their investments?

- (a) Do research
- (b) Get advice from another advisor

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- (c) Find a company with a good name
- (d) Follow demand carefully

Questions 27-29 refer to the following article.

The field of engineering can be broken down into various specialties.

Civil engineering is the branch that deals with the construction of roads, bridges, railroads and waterways. Mechanical engineering deals with the models, designs and materials which are used in the construction of the various types of machinery. Electrical engineering deals with the creation and distribution of electrical energy. Other areas of engineering include chemical, aeronautical and military.

27. What type of engineer would the highway department of a town most likely hire?
- (a) A mechanical engineer
 - (b) A civil engineer
 - (c) A chemical engineer
 - (d) An electrical engineer
28. A manufacturer of labor-saving devices and equipment would most likely hire which kind of engineer?
- (a) A mechanical engineer
 - (b) A military engineer
 - (c) A chemical engineer
 - (d) A civil engineer
29. What would an electrical engineer be familiar with?
- (a) Rock drilling equipment
 - (b) The nature of various building materials
 - (c) Power lines
 - (d) Surveying techniques

Questions 30-33 refer to the following notice.

Please be advised of the following changes in international travel to and from Montreal. Check your airline ticket carefully or ask your ticket agent if you are returning to Montreal on or after September 20. Starting September 20, several airlines that offer scheduled international flights will start operating their services out of Dorval airport. All charter flights, both overseas and to the United States, will leave from Dorval airport. So, if you are already booked for a flight during that period, it is possible that you will be leaving from Dorval and returning to Mirabel – or vice versa. On your airline ticket, the code “VRV” designates Mirabel and “TMT” designates Dorval. If your return flight is landing at a different airport from your departing, it would be better to use public transportation rather than drive yourself. You might find yourself at one airport and your car parked at another. A convenient shuttle

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bus connects Dorval and Mirabel and the city center with regular service from 4 a.m. to midnight, seven days a week.

30. Why was this notice issued?

- (a) Because of construction work at Dorval airport
- (b) Because of a change in international flight paths
- (c) Because of the additional services being offered
- (d) Because of a change in the bus schedule

31. What are customers being asked to do?

- (a) To try to book flights before September 20
- (b) To take chartered flights when possible
- (c) To use parking near the airport
- (d) To review their tickets carefully

32. How can a customer know which airport he/she is landing in?

- (a) Arrivals are at the same airport as departures
- (b) Tickets indicate destination airport
- (c) Charter flight customers land in Dorval, others in Mirabel
- (d) Airport ticket agents will provide updated reports

33. What advice is given regarding transportation to and from the airports?

- (a) To wait for arriving passengers at the airport of departure
- (b) To take advantages of the shuttle bus service
- (c) To leave the car at the airport you depart from
- (d) To park only in designated areas

Questions 34-37 refer to the following notice.

The main topic of last week's meeting was suggestion boxes. All departments in the factory are to have conspicuously labeled suggestion boxes. At the meeting, it was obvious that the employees' suggestions would not only save the company money, but would do much to lift morale and streamline production. To further this process, the suggestion box idea was adopted.

Forms for the suggestions are to be kept inside the box. When employees fill out a form, they should clearly state which situation they are trying to improve, list all pertinent data, and then offer a solution, stating how the company would benefit. Forms will then be collected each month by the department heads, who will then pass them on to the plant manager. Where necessary, the plant manager will consult with the respective departments to gather any relevant data. If applicable, the matter will then be passed on to the finance department for approval.

A bonus will be paid to employees for any suggestions that are adopted. The amount of the bonus will be commensurate with the savings to the company.

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34. What is the topic of the report?
- (a) A meeting
 - (b) Morale
 - (c) Production
 - (d) A new system
35. Why has the company decided to use suggestion boxes?
- (a) To take advantage of the employees' ideas
 - (b) To minimize complaints
 - (c) To take some of the burden off department heads
 - (d) To appease the finance department
36. What is the plant manager supposed to do?
- (a) Review each suggestion with the employee
 - (b) Issue bonus checks
 - (c) Route all suggestions through the finance department
 - (d) Compile data from other areas
37. What, specifically, should employees include in their suggestions?
- (a) The names of troublesome coworkers
 - (b) The duration of the problem
 - (c) What they would consider to be an appropriate bonus
 - (d) A description of the point they are trying to remedy

Questions 38-40 refer to the following announcement.

Part of the water treatment facilities on the Yangtze River will be undergoing modernization. This will not affect the potability of your water, but you may notice a slight rust discoloration. There is simply a result of minute amounts of residue in the pipes. In addition, you may notice that the water pressure is diminished. This is a result of shutting down half of the facility. This was necessary for the installation of the latest, state-of-the-art equipment, which will filter out 99% of all foreign and toxic substances.

The new system will increase filtration threefold and produce the cleanest water of any city in Asia. Installation should be complete within two weeks time. Should you have any questions or concerns, please feel free to contact the Yushu Water Department. Brochures explaining the process and the new technology being applied are available to all citizens affected by the change. We thank you for your patience.

38. What is happening at the water treatment facility?
- (a) Water is getting polluted.
 - (b) Equipment is being updated.
 - (c) A dam is being built.
 - (d) A new alarm system is being installed.

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39. What changes will customers notice in this two-week period?
- (a) There will be intermittent changes in water pressure.
 - (b) The water will have a rusty taste.
 - (c) The color will change.
 - (d) The odor will diminish.
40. How is the Yushu Water Department helping?
- (a) It is undertaking an educational program.
 - (b) Its crew is working overtime to shorten installation time.
 - (c) It is providing free potable water until the work is complete.
 - (d) It is conducting tours to show off the new technology.

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考試時間：120 分鐘

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【一般生題目】

各位考生在答題之前，請先勾選類組，並回答所有問題（注意：第一題為四擇一）。
類組與配分如下：

	題一	題二	題三	題四	題五
永續規劃類	30%	30%	20%	10%	10%
永續技術類	10%	10%	20%	30%	30%

請勾選答題類組：「永續規劃類」「永續技術類」

【在試卷紙作答區第一行，務必書寫您所勾選的答題類組。若未書明所選類組時，一概視為自動選擇永續規劃類組。】

一、以下有四個問題，請依您的能力與背景擇一作答（注意：只須擇一回應，別自找麻煩）。作答時請您同時附帶說明為何要選擇此題作答。

- (1) 根據歐盟「生態城市」實驗計畫的建議，「生態城市」規劃與發展所關切的基本元素有哪些，為什麼？這些元素涵蓋哪些意涵？
- (2) 作為 21 世紀可承載永續發展之「景觀計畫」應該有哪些基本內涵？您對台灣當前的景觀法草案所規範的內容，又有何看法？
- (3) 「學習型區域」作為新故鄉社區營造的一種模式，這種主張是什麼意思？請簡單描述，也請批判性地論述你自己的看法。（能以實際案例論述者更佳）
- (4) 第三系統產業的意涵為何？你是否能用當前勞委會多元就業計畫的案例嘗試加以說明及論述？

二、何謂「場所營造」與「場所賦意」？試論述在大學校園開放空間，即在校舍建築面積以外的所有校地上，當從事地形、地貌、地物、地用的規劃或設計、改造或建設時，如何落實「場所營造」與「場所賦意」的作為？試列舉熟知的大學院校的校園具體案例說明之。

三、一般的聯合開發（joint development）理論係以地租（land rent）理論跟運輸成本（transportation cost）為基礎，因此，在捷運車站附近之開發密度為聯

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合開發之成功與否的重要條件。但是，高密度之開發強度雖然使財務回收效率增高，但其衍生的負面交通擁擠亦使系統被導向不利發展，比如說，塞車跟停車問題。基於此，請利用運輸系統通路觀點與經濟活動觀點，申論聯合開發之遠景與大眾運輸系統之關係。

四、歷經數十年的觀念演進，在建築的領域，為了邁向居住環境的永續，目前已有許多不同的專業術語或代表性名詞被提出，諸如生態建築、綠建築、永續建築、資源建築、健康建築，高績效建築，不論其名詞的差異性，本質上都是以「生產力」為最終的達成目標之一。請由生產力的觀點，詮釋各種與「如何提昇建築永續性」相關的問題。

五、文化資產的保存運動近年來方興未艾，在建築相關領域當中，經常遭遇的問題如下：(1) 對保存必要性的論戰，(2) 修復技術的不足，(3) 再利用的規劃及管理經營機制。這三種問題恰巧可代表三項階段（選擇、修復、使用）以及三個面向（考證評估、工程實務及研發、規劃設計）。許多個案的爭議也不脫上述之範圍，文資保存的精神及效益也經常因為某一環節的疏失而大打折扣。請列舉實例（可以是古蹟及歷史建築、景觀、城市街道及聚落），試就上述之技術及設計面向，以個人的觀點，作簡明的闡述及分析。

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【在職生題目】

各位考生在答題之前，請先勾選類組，並回答所有問題(注意：第一題為二擇一)。類組與配分如下：

	題一	題二	題三	題四	題五
永續規劃類	30%	30%	20%	10%	10%
永續技術類	10%	10%	20%	30%	30%

請勾選答題類組：「永續規劃類」

「永續技術類」

【在試卷紙作答區第一行，務必書寫您所勾選的答題類組。若未書明所選類組時，一概視為自動選擇永續規劃類組。】

一、以下有二個問題，請依您的能力與背景擇一作答(注意：只須擇一回應，別自找麻煩)。作答時請您同時附帶說明為何要選擇此題作答。

(1) 根據歐盟「生態城市」實驗計畫的建議，「生態城市」規劃與發展所關切的基本元素有哪些？為什麼？請試著從您自己職場的角度說明這些元素有何意義？

(2) 「學習型區域」作為新故鄉社區營造的一種模式，這種主張是什麼意思？請您嘗試從你自己職場的角度論述您的看法。

二、物語就是故事，試論述「校園物語能創造場所生命」的個人體驗、經驗、見解與詮釋？試列舉自己熟知的大專院校園具體案例說明之？

(說明：每個人求學過程中，曾經歷過多所的校園環境，記憶各色各樣的校園意象，甚至知道校園內某角落場所發生的故事、事件或傳說。試依據自己的校園生活體驗，或聽聞過的校園故事，敘述校園各角落與場所為何會誕生故事或物語？反之，如何誕生校園物語，創造有生命的、有意義的場所？申述己見。)

三、SWOT (Strength, Weakness, Opportunity, Treat) 分析法為基本發展策略檢討工具之一，試以以下幾個因子，分析出未來該都市的發展願景與施政目標矩陣 (matrix)。

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S：國際港口、工業城市、空地多。

W：文化草根性強、距離政經中心三百公里、重工業污染嚴重。

O：鐵公路終點、縣市合併、WTO 國際化。

T：政府重北輕南、大陸港口蓬勃發展、產業外移化。

四、在探討高績效的永續建築時，室內環境品質（IEQ）經常是必須被重視的要項，其中又以「室內通風」為重要的指標之一。請詳細說明在整體的「建築環境」中，成功的室內通風應注意哪些事項。

五、二十一世紀的永續發展概念已在人類各個發展領域中被清楚的認知，也有眾多的論述。對台灣而言，921 地震似乎是重要的分野點，在新近出現的眾多建築或營建個案中，我們可以明顯的感知一股新的建築潮流已然啟動，其中有（1）對環境生態的尊重，有（2）對在地文化的關注，有（3）材料及工法的觀念性變革，更不乏有（4）挑戰制度的束縛者。建築與都市的永續發展絕對不是只由狹義的「綠建築」或高科技等時髦口號可以堆砌而得的。請就以上四點，嘗試列舉您所瞭解的個案做對應之論述，若無個案可佐證時，亦請就以上之四點，闡述您個人對未來發展願景的看法。