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科目： 企業管理(國企所) 87 共 3 頁第 1 頁

壹、選擇題 30%

1. Maslow's theory suggests a _____ process in motivation, while Adlerfer's theory suggests a _____ process.
 - a. fulfillment- procession/frustration-repression
 - b. frustration-repression/fulfillment-progression
 - c. fulfillment-progression/frustration-regression
 - d. frustration-regression/fulfillment-procession

2. Alex has a high need for achievement. A good strategy for motivating him would be to:
 - a. provide him with moderately difficult goals
 - b. provide him with periodic feedback on his performance
 - c. encourage many people to provide him with advice
 - d. allow him to share responsibility for attaining his goals with others.

3. Implementation of the MBO process requires that the superior play a _____ role.
 - a. training and directing
 - b. coaching and counseling
 - c. judgmental
 - d. neutral

4. In the team decision making model, the outcome evaluation phase consists of:
 - a. determining whether the problem was solved
 - b. recycling the problem or some part of it
 - c. evaluating how well team members worked together
 - d. determining whether the problem was solved and evaluating how well team members worked together

5. Which of the following is not associated with empowerment:
 - a. sensitivity to the needs of employees
 - b. taking delight in an employee's development
 - c. helping employees reach their personal goals
 - d. realizing that visions are achieved by individual employees

6. Contingency models place primary emphasis on _____ in understanding leadership.
 - a. traits
 - b. situations
 - c. behaviors
 - d. personal relationships

7. The _____ leader creates a vision that does not capture the emotional spirit of followers.
 - a. charismatic
 - b. transactional
 - c. transformational
 - d. all of the above capture the emotional spirit of followers

系所別

企管

命題人簽名
(請勿蓋章)

87 4 24 日

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8. The key to effective organizational design decisions is to select a design that:

- a. maximizes fit with strategy decisions
- b. effectively balances organizational subsystems
- c. eliminates potential negative effects
- d. minimizes potential negative effects

9. Over the past decade, Apple computer's _____ strategy with the easy-to-use Macintosh operating system was ultimately undermined and rendered ineffective by Microsoft's adoption of the _____ strategy through the introduction and proliferation of the Windows 95 operating system for the IBM compatible PC.

- a. low cost; differentiation
- b. differentiation; focused
- c. differentiation; low cost
- d. focused; differentiation

10. Sunil is a consultant who has just completed an organizational diagnosis of Klavier Fabricated Products, Inc. Klavier needs to develop more innovative ways to deal with unexpected changes in its marketplace. To date, the company has made only a limited investment in information technology, and it does not have much money available to support a change effort. Managers come from a relatively traditional background, and have not had much experience with either training or planned organizational change. The approach to change that would probably be most appropriate for Sunil to recommend would be _____.

- a. matrix organization
- b. collateral organization
- c. network organization
- d. cultural change

11. The two cultural values that affect the use of groups and teams in organizations are _____ and _____.

- a. individualism; altruism
- b. individualism; collectivism
- c. equity; social responsibility
- d. social responsibility; reciprocity

12. Terry was interviewing Karen for a job as a customer service representative. During the interview, she noticed that Karen had mentioned on several occasions how disagreeable and obnoxious dissatisfied customers can be, but that she could be trusted to deal with them professionally. Based upon her understanding of the perceptual error of _____, Terry concluded that Karen should not be hired because she might be rude to dissatisfied customers.

- a. contrast
- b. halo effect
- c. stereotyping
- d. projection

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13. Which of the following is not important to diagnose in gathering information to be used in making organization design decision:
- a. the internal organizational environment, including organizational culture and politics
 - b. the external organizational environment, including customers, creditors, and suppliers
 - c. existing or potential competitive strategies
 - d. all of the above are important to diagnose
14. Which of the following is not one of the important implications of the goal-setting model for both employees and managers:
- a. it provides a framework for diagnosing performance problems
 - b. it provides concrete advice on how to improve performance
 - c. it predicts the level of performance for any given individual
 - d. it portrays the system or relationships among key factors in goal-setting
15. The reengineering approach place greatest emphasis upon:
- a. relationships between people
 - b. relationships between values
 - c. relationships between employees and customers
 - d. relationships between activities and tasks

貳、問答題 40%

1. 請以“凍省”(一說為精省)為例，以企業管理角度分析凍省(精省)後組織管理之優缺點及可能遭遇的問題。 10%
2. 在眾多的領導理論中，你比較贊成哪一理論？請敘述該理論，並以實例說明贊成該理論的原因。 15%
3. 請說明文化在企業國際化中所扮演的角色？並請簡述經理人進行跨文化管理所應注意事項。 15%

參、申論題 30%

- 資訊科技的革新使企業面對許多前所未有的變化與衝擊。隨著網際網路(Internet)的日漸普及與企業網路(Intranet)的興起，企業利用網路進行內部溝通已漸成趨勢。請就此趨勢，以管理學所學之各相關觀點分析並說明：
- 一、組織內所可能面臨的改變；
 - 二、管理者面臨這些改變時，在管理上的應有的認知及配合；
 - 三、對跨國企業可能造成之影響。

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科目：英文

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SECTION ONE: WRITTEN EXPRESSION

Directions: In questions 1-10 each sentence has five underlined words or phrases. The five underlined parts of the sentence are marked (A), (B), (C), (D), and (E). Identify the one underlined word or phrase that must be changed in order for the sentence to be correct. Then, on your answer sheet, fill in the space that corresponds to the letter of the answer you have chosen. 20%

- Neither of the girls have turned in the term papers to the instructor yet.
A B C D E
- She is looking forward to go to Europe after she finishes her studies at the university.
A B C D E
- Before we returned from swimming in the river near the camp, someone had stolen our clothes, and we had to walk back with our towels round.
A B C D E
- Marta being chosen as the most outstanding student on her campus made her parents very happy.
A B C D E
- The professor had already given the homework assignment when he had remembered that Monday was a holiday.
A B C D E
- The Board of Realtors doesn't have any informations about the increase in rent for this area.
A B C D E
- Each of the students in the accounting class has to type their own research paper this semester.
A B C D E
- The instructor advised the students for the procedures to follow in writing the
A B C D

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term paper.

E

9. Rudolph Nureyev has become one of the greatest dancer that the ballet world has

A B C D

ever known.

E

10. My brother is in Hua Lien on vacation, but I wish he was here so that he could

A B C D

help me repair my car.

E

SECTION TWO: VOCABULARY

Directions: In questions 11-20 each sentence has an underlined word or phrase. Below each sentence are five other words or phrases, marked (A), (B), (C), (D), and (E). You are to choose the one word or phrase that best keeps the meaning of the original sentence if it is substituted for the underlined word or phrase. Then, on your answer sheet, find the number of the question and fill in the space that corresponds to the letter you have chosen. 20%

11. The fourth year sociology class was a homogeneous group of university students.

- (A) gay (B) unrelated (C) dreary
(D) distinguishable (E) uniform

12. The spy used a fictitious name while dealing with the enemy.

- (A) funny (B) real (C) false
(D) foreign (E) facile

13. Christopher Columbus was the first person to navigate under the patronage of Queen Isabella of Spain.

- (A) explore (B) sail (C) work
(D) circumvent (E) float

14. The house by the sea had a mysterious air of serenity about it.

- (A) melancholy (B) joy (C) calmness
(D) excitement (E) wetness

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15. An unsuccessful attempt was made to salvage the yacht and its contents.
 (A) explode (B) surface (C) sink
 (D) submerge (E) save
16. The government is engaged in a project to pacify the hostile element of society.
 (A) poor (B) unfriendly (C) delinquent
 (D) reticent (E) rich
17. The current edition of that magazine discusses the ancient civilizations of Latin America.
 (A) latest (B) running (C) first
 (D) surfing (E) special
18. Fragments of the Dead Sea Scrolls have been found in recent years.
 (A) aromas (B) drawings (C) pieces
 (D) fragrance (E) writers
19. The Montforts have decided to take a cruise, so they went to the travel agency for some brochures.
 (A) questions (B) inquisitions (C) price lists
 (D) pamphlets (E) directions
20. Nearly half of the town's inhabitants are descendants of indigenous people.
 (A) native (B) backward (C) poor
 (D) genuine (E) hard-working

SECTION THREE: STRUCTURE

Directions: Questions 21-30 are incomplete sentences. Beneath each sentence you will see five phrases, marked (A), (B), (C), (D), and (E). Choose the one phrase that best completes the sentence. Then, on your answer sheet, find the number of the question and fill in the space that corresponds to the letter of the answer you have chosen. 30%

21. After the funeral, the residents of the apartment building _____.
 (A) sent faithfully flowers all weeks to the cemetery
 (B) sent to the cemetery each week flowers faithfully
 (C) each week sent to the cemetery flowers faithfully
 (D) sent flowers faithfully to the cemetery each week
 (E) sent each week faithfully to the cemetery flowers

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科目：英文

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22. Because the first pair of pants did not fit properly, he asked for _____.
- (A) another pants (B) the others ones (C) others pairs
(D) another pair (E) other pants
23. _____ he began to make friends more easily.
- (A) Having entered school in the new city, it was found that
(B) Enter into the new school,
(C) When he had been entering the new school,
(D) Upon entering into the new school,
(E) After entering the new school,
24. The fact that space exploration has increased dramatically in the past thirty years _____.
- (A) is an evidence of us wanting to know more of our solar system
(B) indicates that we are very eager to learn all we can about our solar system
(C) how we want to learn more about the solar system
(D) is pointing to evidence of our intention to know a lot more about what is called our solar system
(E) when solar system was still an unsolved mystery
25. Fred's yearly income since he changed professions has _____.
- (A) been nearly tripled
(B) got almost three times bigger
(C) almost grown by three times
(D) just about gone up three times
(E) approximately increased larger three times
26. The director of this organization must know _____.
- (A) money management, selling, and able to satisfy the stockholders
(B) how to manage money, selling his product, and be able to satisfy stockholders
(C) how to manage money, sell his product, and satisfy the stockholders
(D) how to money management, selling, and satisfying the stockholders
(E) money management, selling, the idea of being able to satisfy the stockholders
27. The facilities of the older hospital _____.
- (A) is as good or better than the new hospital
(B) are as good or better than the new hospital
(C) are as good as or better than the new hospital
(D) are good and better to those of the new hospital
(E) are as good as or better than those of the new hospital

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28. The teacher suggested that her students _____ experiences with ESP.
- (A) write a composition on their
 (B) to write composition about the
 (C) wrote some compositions of their
 (D) writing a composition about their
 (E) had written any compositions for his
29. _____, he would have signed his name in the corner.
- (A) If he painted that picture
 (B) If he paints that picture
 (C) If he were painting that picture
 (D) If he had painted that picture
 (E) If he would have painted that picture
30. The rabbit scurried away in fright _____.
- (A) when he heard the bushes had a movement
 (B) the movement among the bushes having been heard
 (C) after it was hearing moving inside of the bushes
 (D) when he has heard that something moved in the bushes
 (E) when it heard the movement in the bushes

SECTION FOUR: READING COMPREHENSION

Directions: You this section you will read two passages. Each one is followed by several questions about it. For questions 31-40, you are to choose the one best answer, (A), (B), (C), (D), or (E) to each question. Then, on your answer sheet, fill in the space that corresponds to the letter of the answer you have chosen. Answer all questions on the basis of what is stated or implied in that passage. 30%

Questions 31 through 34 are based on the following reading.

In an effort to produce the largest, fastest, and most luxurious ship afloat, the British built the *Titanic*. It was so superior to anything else on the sea that it was dubbed "unsinkable." So sure of this were the owners that they provided lifeboats for only 950 of its possible 3,500 passengers.

Many passengers were aboard the night it rammed an iceberg, only two days at sea and more than half way between England and the New York destination. Because the luxury liner was traveling so fast, it was impossible to avoid the ghostly looking iceberg. An unextinguished fire also contributed to the ship's submersion. Panic increased the number of casualties as people jumped into the icy water or

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fought to be among the few to board the lifeboats. Four hours after the mishap, another ship, the *Carpathia*, rescued the survivors—less than a third of those originally aboard.

The infamous *Titanic* enjoyed only two days of sailing glory on its maiden voyage in 1912 before plunging into 12,000 feet of water near the coast of Newfoundland, where it lies today.

31. Which of the following is NOT true?

- (A) Only a third of those aboard perished.
- (B) The *Carpathia* rescued the survivors.
- (C) The *Titanic* sank near Newfoundland.
- (D) The *Titanic* was the fastest ship afloat in 1912.
- (E) The *Titanic* was on its maiden voyage to England.

32. Which of the following did NOT contribute to the large death toll?

- (A) panic (B) fire (C) speed (D) iceberg (E) terrorism

33. How many days was the *Titanic* at sea before sinking?

- (A) 2 (B) 4 (C) 6 (D) 8 (E) 10

34. The word *unextinguished* (line 8) means most nearly the same as

- (A) indestructible (B) uncontrollable (C) undiscovered
- (D) unquenched (E) tremendous

Questions 35 through 40 are based on the following reading.

Charles Eliot, taking over at Harvard in 1869 at the age of 35, pioneered a break with the traditional curriculum. The usual course of studies at American universities emphasized classical and humanistic courses: classical languages, mathematics, ethics, and rhetoric; and each institution prescribed a rigid program of required courses. Under Eliot's leadership, Harvard dropped most of its required courses in favor of an elective system and increased its course offerings to stress the physical and social sciences, the fine arts, and modern languages. Soon other institutes in all sections of the country were following Harvard's lead. Eliot was also influential in bringing about important reforms in professional education. He renovated the Harvard medical and law schools, raising the requirements and lengthening the residence period, and again the Harvard model affected the other schools. Improved technical training in other professions accompanied the advances in medicine and law. Both state and private universities hastened to establish schools of architecture, engineering, education, journalism and business. Although Harvard was one of the first

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universities to found a graduate school, the recognized center for graduate study, based on the German system with the highest award, was Johns Hopkins.

35. What did Charles Eliot do at Harvard?

- (A) He started studies under a rigid program.
- (B) He introduced modern studies.
- (C) He removed all classical studies.
- (D) He selected students under an elective system.
- (E) He broke the school regulations.

36. According to the passage, after 1869 students at Harvard were

- (A) allowed to choose any subject at all to study.
- (B) permitted to reform in professional education.
- (C) required to study physical and social sciences.
- (D) unable to follow classical and humanistic courses.
- (E) given a wide selection of subjects to choose from.

37. Under Charles Eliot's influence at Harvard, students who wished to become doctors or lawyers had to

- (A) study for longer hours.
- (B) conform to a required Harvard model.
- (C) reach a higher academic level.
- (D) act in a professional way.
- (E) reside on the campus for a shorter period of time.

38. According to the passage, which of the following statements is true about technical training?

- (A) It was greatly enhanced under Eliot.
- (B) It was more advanced than medical and law studies.
- (C) It had a lower status than professional courses.
- (D) Eliot insisted it was taught alongside professional courses.
- (E) Only the private universities followed the Harvard model.

39. We understand from the passage that Johns Hopkins University

- (A) offers the best graduate prizes.
- (B) provides an excellent German education.
- (C) has not been influenced by the reforms in professional education.
- (D) has the oldest established graduate school.
- (E) offers the most prestigious education.

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40. The overall effect of Charles Eliot's reforms was to

- (A) standardize professional education.
- (B) diminish the other universities.
- (C) lower the prestige of classical and humanistic studies.
- (D) widen the academic curriculum.
- (E) privilege the studies of the physical and social sciences, the fine arts, and modern languages.

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試題編號	應考人數	加版數	總頁數	複寫者

(橫書式) 國立東華大學 八十七 學年度碩士班招生考試試題

科目：(國) 貿易理論與政策 (國企所) 87

共一頁第一頁

下述四大申論題目每題 25 分，共計 100 分。

1. 請舉實例（如英國與葡萄牙間的布與酒之貿易）說明古典貿易理論中之「絕對利益法則」（theory of absolute advantage）、「比較利益法則」（theory of comparative advantage）、以及「以貨幣計價之比較利益法則」（the theory of comparative advantage with money）。
2. 現代國貿理論中之 Heckscher-Ohlin model 中包含四個主要定理（theorem），請簡潔明晰地說明這四個定理與其內涵。
3. 請說明區域性經濟整合包含哪幾種不同整合程度之型態？各種型態之定義為何？這種區域性經濟整合之趨勢對全球貿易之影響為何？
4. 請比較並說明「國貿理論與政策」與「國際企業管理」在理論與實務上之異同。

系所別

(國企)

命題人簽名
(請勿蓋章)

87年4月21日

(直書式) 國立東華大學八十七學年度碩士班招生考試
國文

科目：國文

共一頁第一頁

作文一篇，文言或白話不拘

題目：

論兩性情慾的自主與自律

試題將視考生人數之多寡將原稿複印或製版，故命題時務請用黑色
藍色墨水正楷書寫。
如係用打字或複寫時，請將用過之複寫紙與試題一併密封送回。

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書式) 國立東華大學 八十七學年度碩士班招生考試試題

科目: 統計學 (國企所)

共 4 頁 第 1

Rules for This Examination: (1) Answer each question in detail; (2) Provide necessary explanations and calculations in your answers or you will receive zero point.

1. Please explain why people apply Nonparametric Statistics (無母數統計法) for solving certain statistic problems? (4%) What are the difference between Nonparametric Statistics and Parametric Statistics (有母數統計法) in terms of solving statistic problems? (4%) For each of following statistic tests, please determine whether they are Nonparametric or Parametric Statistics: (4%)
 - (1) Duncan's Multiple-Range Test
 - (2) Friedman Test
 - (3) t-Test
 - (4) Spearman Rank Correlation Coefficient

2. The way in which you analyze statistic data depends on how you have measured them. There are four primary scales of measurement (nominal scale, ordinal scale, interval scale, and ratio scale). Please state the properties of these four scales (16%) And determine the measurement types for each of following examples: (4%)
 - (1) annual sales
 - (2) ID number
 - (3) rankings of teams in a tournament
 - (4) weather temperature

3. Explain following statistic terms: (8%)
 - (1) null hypothesis
 - (2) region of rejection
 - (3) type I error
 - (4) sampling distribution

試題紙使用說明：

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(請場人員填寫)

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科目：統計學(國企所) 87

共 4 頁 第 2 頁

4. There are three red chip, five white chip, and two blue chip in a bag. Tom randomly selected a chip from this bag. If selected chip is red or white, he will win \$100. If Tom selected a blue chip, he will win \$20. Let $X=1$ for red chip, $X=2$ for white chip, $X=3$ for blue chip, and $Y=$ amount of money Tom wins. Please answer following questions. (20%)

- (1) what is $E(Y|x)$
- (2) what is $V(Y|x)$
- (3) what is $E(Y)$
- (4) what is $V(Y)$
- (5) Are X and Y independent (explain your answers by calculations)

5. After the Earth Summit Conference (1992) in Rio de Janeiro, the president of Green Marketing Association conducted a survey in Brazil. A total of 1,459 people were randomly selected for the telephone survey, inquiring their years of education and attitude toward Green Marketing concept. The results showed: 684 people thought Green Marketing concept was positive to the environment, 702 thought there was no difference, and 73 thought it was negative (populations of each group were normally distributed.) The descriptive statistics table of the results is provided below. With significance level of 0.05, please determine whether people in these three groups of different attitudes toward Green Marketing concept received same years of education. (Show all necessary calculations.) (20%)

Descriptive statistics for years of education

Group	Count	Mean	Standard Deviation	Standard Error	95 Per Cent Int. for Mean
Grp 1	684	12.0165	3.1769	.1255	12.7759 To 11.2572
Grp 2	702	11.2939	2.9182	.1189	12.5751 To 10.0128
Grp 3	73	9.3479	3.3002	.6037	8.7313 To 10.3646
Total	1459	12.3598	3.1886	.0819	12.1961 To 12.5236

Group	Minimum	Maximum
Grp 1	.0000	18.0000
Grp 2	.0000	18.0000
Grp 3	.0000	18.0000
Total	.0000	18.0000

系所別

國企所

命題人簽名
(請勿塗抹)

87年 4月 23日

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(簡場人員填寫)

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試題紙複印考人數	加成效	繕寫者	校對者

(橫書式) 國立東華大學 八十七 學年度碩士班招生考試試題

科目：統計學(國企所) 87

共 4 頁 第 4 頁

附表 F 分配表



$F(1-\alpha; v_1, v_2)$
 $1-\alpha=0.95$

df1 \ df2	1	2	3	4	5	6	7	8	9	10	15	20	25	30	40	50	60	70	80	90	100	
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	243.2	244.4	245.5	246.5	247.5	248.4	249.2	249.9	250.6	251.2	251.8	252.3
2	18.51	19.00	19.35	19.61	19.80	19.95	20.08	20.19	20.29	20.37	20.44	20.50	20.55	20.60	20.64	20.68	20.71	20.74	20.77	20.80	20.82	20.84
3	7.71	8.04	8.28	8.48	8.64	8.78	8.90	9.01	9.10	9.18	9.25	9.31	9.36	9.40	9.44	9.47	9.50	9.52	9.54	9.56	9.57	9.58
4	5.99	6.26	6.46	6.62	6.75	6.86	6.95	7.03	7.10	7.16	7.22	7.27	7.31	7.34	7.37	7.40	7.42	7.44	7.45	7.46	7.47	7.48
5	5.19	5.41	5.57	5.70	5.81	5.90	5.98	6.05	6.11	6.16	6.21	6.25	6.28	6.31	6.33	6.35	6.37	6.38	6.39	6.40	6.41	6.42
6	4.75	4.93	5.06	5.16	5.24	5.31	5.37	5.42	5.46	5.50	5.54	5.57	5.60	5.62	5.64	5.65	5.66	5.67	5.68	5.69	5.69	5.70
7	4.41	4.56	4.66	4.74	4.80	4.85	4.89	4.93	4.96	4.99	5.02	5.04	5.06	5.08	5.09	5.10	5.11	5.12	5.12	5.13	5.13	5.14
8	4.17	4.29	4.37	4.43	4.48	4.52	4.55	4.58	4.61	4.63	4.65	4.67	4.68	4.69	4.70	4.71	4.72	4.72	4.73	4.73	4.73	4.74
9	3.98	4.07	4.13	4.18	4.22	4.25	4.28	4.30	4.32	4.34	4.35	4.36	4.37	4.38	4.38	4.39	4.39	4.40	4.40	4.40	4.40	4.41
10	3.83	3.89	3.94	3.98	4.01	4.03	4.05	4.06	4.07	4.08	4.09	4.09	4.10	4.10	4.10	4.11	4.11	4.11	4.11	4.11	4.11	4.12
11	3.71	3.75	3.79	3.82	3.84	3.85	3.86	3.87	3.87	3.88	3.88	3.88	3.88	3.88	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.90
12	3.61	3.64	3.67	3.70	3.71	3.72	3.72	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.74
13	3.53	3.55	3.57	3.59	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.61
14	3.46	3.47	3.48	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.49	3.50
15	3.40	3.40	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.42
16	3.35	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.35
17	3.30	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.30
18	3.26	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.26
19	3.22	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.21	3.22
20	3.18	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.18
21	3.15	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.15
22	3.12	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.12
23	3.09	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.09
24	3.06	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.06
25	3.03	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.03
26	3.00	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	3.00
27	2.97	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.97
28	2.94	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.94
29	2.91	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.91
30	2.88	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.87	2.88
40	2.71	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.71
50	2.59	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.59
60	2.50	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.46	2.50
70	2.43	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.43
80	2.37	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.37
90	2.32	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.32
100	2.28	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.28

系所別 國企所

命題人簽名 (請勿塗章)

87年4月23日

