

國立清華大學命題紙

99 學年度 動力機械工程學系戊組(光機電系統組) 碩士班入學考試

科目 科技英文 科目代碼 1202 共 4 頁，第 1 頁 \*請在【答案卷卡】作答

**I. Basic Grammar ( 3 points each)**

1.1 The plural of "phenomenon" is:

- a) phenomons (b) phenomena (c) phenomenones (d) phenomenonis

1.2 The full name of the country America is

- (a) United States of America (b) The United States of America (c) America United  
(d) The United Americas

1.3 He has \_\_\_\_\_ look.

- (a) an European (b) a European (c) European (d) a Europe's

1.4 Which sentence is correct: ( you may choose more than one answer)

- (a) The bridge is 6 foot wide. (b) The bridge is 6 feet wide.  
(c) That is a 6-foot wide bridge. (d) That is a 6 feet wide bridge.

1.5 Which sentence is correct:

- (a) 2/3 of the students are good at English.  
(b) 2/3 of the students is good at English  
(c) 2/3 student are good at English.  
(d) 2/3 students is good in English.

1.6 Neither the students nor the teach \_\_\_\_\_ to Kaohsiung.

- (a) has been (b) have been (c) ever been (d) have been

1.7 The college boy studies \_\_\_\_\_ National Taiwan University.

- (a) in (b) at (c) within (d) by

1.8 She is \_\_\_\_\_ girl on campus.

- (a) beautiful (b) beautifullest (c) the beautifullest (d) the most beautiful

1.9 Question: Have you never gone to America?

Answer:

- (a) Yes, I have never gone to America.  
(b) No, I have never gone to America.  
(c) No, I am never gone to America.  
(d) Yes, I have ever gone to America.

1.10 Which of the following sentences is correct?

- (a) If I am a bird, I will go to you.
- (b) If I was a bird, I would have gone to you.
- (c) If I were a bird, I would have gone to you.
- (e) If I have been a bird, I would go to you.

## II Reading Comprehension (3 points each)

(Part A)

If you thought that “Avatar” was just a high-tech movie about a big-hearted tough guy saving the beguiling natives of a distant moon, you might want to check the prescription on your 3-D glasses.

Since its release in December, James Cameron’s science-fiction epic has broken box office records and grabbed two Golden Globe awards for best director and best dramatic motion picture. But it has also found itself under fire from a growing list of interest groups, schools of thought and entire nations that have protested its message (as they see it), its morals (as they interpret them) and its philosophy (assuming it has one).

2.1 In watching “Avatar”, you need to:

- (a) wear 3-D glasses (b) check your 3-D glasses (c) buy 3-D glasses (d) wear any glasses

2.2 The movie \_\_\_\_\_.

- (a) was released in 2010 (b) received three awards (c) was based on a science-fiction (d) about natives on the moon

2.3 James Cameron was a:

- (a) director (b) actor (c) producer (d) film maker

2.4 The movie “Avatar”\_\_\_\_\_.

- (a) was not like all people (b) was not liked by some people (c) has moral issues (d) has philosophic problems

2.5 Does the author of the article think that the movie contains important messages for the audience?

- (a) definitely (b) may-be (c) not really (d) a little bit

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Part B

The search for scientific knowledge extends far back into antiquity. At some point in the past, at least by the time of Aristotle, philosophers recognized that a fundamental distinction should be drawn between two kinds of scientific knowledge — roughly, knowledge *that* and knowledge *why*. It is one thing to know *that* each planet periodically reverses the direction of its motion with respect to the background of fixed stars; it is quite a different matter to know *why*. Knowledge of the former type is descriptive; knowledge of the latter type is explanatory. It is explanatory knowledge that provides scientific understanding of the world.

2.6 The pursuit of scientific knowledge began:

- (a) before Aristotle (b) with Aristotle (c) after industrial revolution (d) after we know “why”

2.7 “A clear sky is blue in color” falls into the category of knowledge of \_\_\_\_\_.

- (a) explanatory (b) antiquity (c) *that* (d) *why*

2.8 Which knowledge is descriptive:

- (a) The earth circles around the sun.  
(b) Gravity keeps the earth circling the sun.  
(c) The earth is round because of its slow condensation process.  
(d) The more south you go, the warmer it becomes because of more abundance of the sun.

2.9 Aristotle was a \_\_\_\_\_.

- (a) philosopher (b) an engineer (c) religious person (d) a historian

2.10 Which provides scientific understanding of the world?

- (a) descriptive knowledge (b) explanatory knowledge (c) Philosophy (d) antiquity knowledge

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**III. Chinese-English Translation: ( 10 points each)**

- 3.1 這裡從來都沒有下過雨。
- 3.2 這裡的大學生從高三之後就沒上過英文課。
- 3.3 這個計畫幾乎完全沒有任何進展。
- 3.4 他不知道怎麼去他岳父的家。