

臺北醫學大學九十學年度研究所博士班招生考試題目卷

九十學年度博士班
醫研、細分所 英文

考試時間：90分鐘

題目試卷共五張，本試卷為第一張

I. Reading Comprehension: 20%

For question 1-10, you are to choose the one best answer to each question.

Bathed in estrogen in the womb, all fetuses begin life as females. The male of the species is created about two months after conception when a burst of testosterone produces the masculine sex organs. With no need for such a cataclysmic event to create her primary sexual infrastructure, the female experiences her first hormonal surge at puberty when an upswing in estrogen ripens her reproductive tract and proclaims her maturity to the world by producing breasts and the monthly cycle whose advent, in all cultures, is recognized as a major life event.

Estrogen, then, is the source of womanhood. But it also plays a central, and rather surprising, role in women's health beyond reproduction. It has been shown to promote certain diseases like cancers of the breast and endometrium and to ward off others like heart disease and osteoporosis. Indeed, researchers are beginning to see estrogen as a powerful elixir, affecting the growth of a woman's cells, her bone density, her cholesterol levels, her youthfulness, and even her perception and coordination. Yet as medical science is discovering its many roles in a woman's life, society is blithely attempting to ignore estrogen's signals.

For all its attractions, the life of the modern woman runs directly counter to the impulses of the hormones-and to the ways of the female ancestors. Never before in history have women come into puberty so early, yet borne so few children, had those children so late and then lived so long after menopause.

Yet women are attempting to reforge their identities as if their essential body chemistry had no bearing on the matter, as if womanhood had no biological definition. The truth is, all human beings are shaped by their hormones as surely as life is powered by the sun.

1. The best title for this passage would be
 - (A) The effects of hormones on male development
 - (B) The effects of hormones on female development
 - (C) The role of hormones in determining sex
 - (D) The role of estrogen in women's lives
2. Where in the passage does the author discuss the effect of hormones on males?
 - (A) lines 1-3 only
 - (B) lines 1-5 only
 - (C) lines 3-5 only
 - (D) lines 3-8
3. Which of the following could best replace the word "surge" in line 5?
 - (A) disappearance
 - (B) infusion
 - (C) sudden decrease
 - (D) contention

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4. In line 7, the word "whose" refers to
 - (A) puberty
 - (B) breasts
 - (C) monthly cycle
 - (D) maturity
5. According to the passage, estrogen may
 - (A) help to prevent breast cancer
 - (B) help to prevent heart disease
 - (C) help to promote osteoporosis
 - (D) help to fight endometrial cancer
6. In line 13, the word "elixir" could best be replaced by
 - (A) potion
 - (B) balm
 - (C) weapon
 - (D) ingredient
7. To which of the following does the word "its" in line 15 refer?
 - (A) estrogen
 - (B) medical science
 - (C) roles
 - (D) society
8. In line 16, the word "blithely" could best be replaced by
 - (A) earnestly
 - (B) desperately
 - (C) blindly
 - (D) pleasantly
9. from lines 17-20, it can be inferred that
 - (A) women today are more in tune with their hormones than ever before
 - (B) increased levels of female hormones account for increased longevity in modern women
 - (C) modern women's biological clocks are out of phase with the realities of their lives
 - (D) modern women will live longer because menopause will come earlier for them
10. Which of the following statements cannot be supported by information found in the passage?
 - (A) estrogen is primarily a female hormone and testosterone is primarily a male hormone
 - (B) all males began life as females
 - (C) testosterone can be used to alter the sex of post pubescent females
 - (D) estrogen therapy may help to increase the bone density of women with osteoporosis

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題目試卷共 五 張，本試卷為第三張

II. Vocabulary and Expressions 30%

Fill in the blank with the NUMBER in front of your chosen word (only ONE best answer per question)

- | | | | |
|-----------------|---------------|--------------|-----------------|
| 1. thwart | 6. exploit | 11. song | 16. album |
| 2. defy | 7. scratch | 12. detain | 17. phase |
| 3. infringement | 8. Libra | 13. defect | 18. precedent |
| 4. boom | 9. euthanasia | 14. ironic | 19. graft |
| 5. shrug | 10. maneuver | 15. colonial | 20. contemplate |

1. _____ He started his business from _____ and now he is a multi-millionaire.
2. _____ The 24 Navy crew members of the U.S. spy plane who were _____ed in mainland China for 11 days arrived back at their home base in Washington State on April 14 to a hero's welcome from thousands of supporters and relatives.
3. _____ The move by the Netherlands to become the first country on April 11 to legalize _____ met with both warm praise and outrage around the world.
4. _____ Strict college entrance requirements are being _____ed out.
5. _____ It's _____ that he became a doctor; after all, he used to hate going to see the doctor when he was a child.
6. _____ Good footwork will enable you to _____ around your opponent while you dribble the ball.
7. _____ She _____ed her decision for a long time.
8. _____ I see his proposal as totally unfair and a(n) _____ of my human rights.
9. _____ I sold my house for a(n) _____, and the new owners sold it again, making a buck and a half.
10. _____ They overhauled their network to _____ hackers.

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III. Choose the most appropriate word to fill in each blank.(20%)

- a. crew b. modules c. launched d. mass e. orbit
f. astronauts g. survive h. path i. facilities j. disintegrate

Russia's Mir Space Station has been in ① for over 15 years. The first element of the station was ② on February 20, 1986, though the current Mir Space Station is a complex of several ③ that have been pieced together over the years. The total ④ of the station is over 140 tons.

Mir has been visited by over 100 cosmonauts and ⑤ from more than ten countries during its working life. Some of space travelers have called Mir home for long periods of time while others have made shorter visits. During the 15 years of Mir's operation several world records for living were set. These include Yuri Romanenko, 326 days in 1987, Vladimir Titov and Musa Manarov, 366 days in 1988, and Valery Polyakov, 438 days in 1995.

A range of scientific and technical experiments have been carried out aboard Mir over the years. The space stations provided research ⑥ for projects that included the study of long term living in space, microgravity and the observation of Earth. The last ⑦ left the station in August 1999.

Mir will be coming down from where it has been traveling at about 18,000 miles an hour. Two thirds of it will burn up and ⑧ as it passes through the earth's atmosphere. About a third of the Station will ⑨ re-entry and impact in a remote area of the South Pacific Ocean. The final ⑩ of Mir is expected to cut a swath through the atmosphere that will be thousands of miles long and hundred of miles wide.

II. Choose the most appropriate one to substitute for the underlined part. (30%)

- () Tickets for the Nut Crackers were all sold on the first day. ① sold off ② sold out ③ sold up ④ sold on
- () He took an evening job to make extra money but at the end of the day he was too exhausted. ① worn out ② worn down ③ worn on ④ worn off
- () Take a pencil and calculate how long it takes to travel to Mars at light speed. ① work for ② work off ③ work out ④ work up
- () The chairman brought his speech to an end by thanking staff for their hard work. ① wound up ② wound off ③ got wound ④ wound into
- () They rejected her application because they preferred a man for the job. ① turned aside ② turned out ③ turned down ④ turned up
- () Not only _____ he refuse to help me but he did so in a very rude manner. ① does ② do ③ did ④ might

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7. () I saw him come out of the woods _____ a little bird. ① carry ② carried ③ carrying ④ being carried
8. () We are _____ to attend the meeting tomorrow. ① counted ② imagined ③ regarded ④ supposed
9. () He says that he will lend me the book when he has _____ with it. ① ended ② done ③ read ④ gone
10. () It matters little who finds the truth, _____ the truth is found. ① because ② unless ③ so long as ④ so that
11. () _____ the sun, nothing on earth could live. ① Were it not to ② If it were not for ③ If it was not for ④ If it had not been for
12. () All the crew _____ killed by the pirates. ① was ② were ③ is ④ be.
13. () ~~I am not above asking questions.~~ ① It is useless to ask me questions. ② I do not feel like being questioned. ③ I am not unwilling to ask questions. ④ I do not like to ask questions.
14. () Her present whereabouts _____ unknown to all. ① is ② has ③ are ④ be
15. () ~~He was not a little worried.~~ ① He was not all worried. ② He was very worried. ③ He was not a bit worried. ④ He was anything but worried.