

南華大學九十八學年度 碩士班 招生考試試題卷

所別：自然醫學研究所

科目編號：D52-1

目：英文

試題紙第 1 頁共 4 頁

Answer all questions based on what is stated or implied in the following passages. Choose the one best or most appropriate answer.

Read the following passage: (30%)

One of every nine children under age 18 practices yoga, goes to a chiropractor, takes a supplement like fish oil or uses some other alternative treatment, according to a new government survey that for the first time included questions regarding children's use of complementary medicine.

Natural, non-vitamin products are the most common alternative therapies used by children, with almost 4 percent taking a supplement like echinacea, fish oil, flaxseed oil, herb pills, prebiotics or probiotics, according to the survey, conducted by the National Center for Complementary and Alternative Medicine. Almost 3 percent of children see a chiropractor or an osteopath for manipulation, 2.2 percent do deep breathing exercises and 2.1 percent do yoga.

"It's a substantial amount of use in children, given that children tend to be healthier than the adult population," said Richard L. Nahin, acting director of the center's division of extramural research and co-author of the report. But some experts say the figures may be even higher and that as many as 40 percent of healthy children and more than 50 percent of children with chronic health conditions are using alternative therapies.

Dr. Lawrence D. Rosen, a pediatrician who has also researched use of these therapies by children said the survey results may depend on how questions were asked and how alternative therapy is defined.

"This is a wake-up call," said Dr. Rosen, who practices integrative medicine in Oradell, N.J. "The main thing pediatricians and patients need to recognize is that we all need to be talking about this. Parents need to be comfortable discussing it, and pediatricians need to feel comfortable bringing it up."

The survey's findings will help shape research initiatives, Mr. Nahin said, adding that many products, especially dietary supplements, have not been rigorously tested in clinical trials in adults or children even as their use has become more widespread.

"In most cases, there is no clear recommendation one can make whether a child should use a product or not," Mr. Nahin said. The survey results are based on data from more than 23,000 interviews with American adults and more than 9,400 interviews with adults on behalf of children in their households.

The single most influential factor driving children's adoption of alternative therapies appears to be whether their parents also use them. Children whose parents or relatives use alternative therapies are five times more likely to use them than children whose parents do not.

Teens were more likely to use alternative therapies than younger children, with 16.4 percent of adolescents ages 12 to 17 using these therapies, compared with 10.7 percent of children ages 5 to 11 and 7.6 percent of children ages 4 or younger. White children were twice as likely as black children to use alternative therapies, the survey found. (Excerpted from *The New York Times*, "Many Children Now Rely on Alternative Remedies" Dec 11, 2008.)

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This passage is mainly about _____.

- (A) children's health
- (B) adult health
- (C) how to conduct a survey
- (D) the results of a survey on complementary medicine

According to the passage, which one of the following is wrong? _____.

- (A) Natural, non-vitamin products are the most common alternative therapies used by children
- (B) Dr. Rosen thinks that there is no need for patients to discuss about the use of alternative treatment
- (C) Mr. Nahin is a member of the survey research team
- (D) The use of alternative therapies by adolescents ages 12 to 17 is 8.8% higher than that by children ages 4 or younger

The phrase "wake-up call" in line 15 is closest in meaning to _____.

- (A) a phone call in the morning
- (B) a warning sign
- (C) an expensive situation
- (D) a discussion

It can be inferred from the passage that _____.

- (A) Dr. Rosen wrote the report with Mr. Nahin
- (B) it is safe for children to use alternative treatment
- (C) adolescent females use natural, non-vitamin products more than adolescent males
- (D) prebiotics and probiotics can be classified as natural, non-vitamin products

It can be inferred from the passage that the most influential factor leading to the use of alternative therapies in children is _____.

- (A) whether they are sick
- (B) whether they are white
- (C) whether they have parents
- (D) whether their parents use alternative treatment

It can be inferred from the passage that _____.

- (A) 90% of the children under age 18 practices yoga
- (B) children love to do deep breathing exercises and yoga
- (C) the survey on children's use of alternative medicine was answered by the adults in their households
- (D) vitamin products are the most common alternative therapies used by children

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試題紙第 3 頁共 4 頁

Read the following passage: (30%)

NCCAM groups complementary and alternative medicine (CAM) practices into four domains, recognizing there can be some overlap. In addition, NCCAM studies CAM whole medical systems, which cut across all domains.

Whole Medical Systems

Whole medical systems are built upon complete systems of theory and practice. Often, these systems have evolved apart from and earlier than the conventional medical approach used in the United States. Examples of whole medical systems that have developed in Western cultures include homeopathic medicine and naturopathic medicine. Examples of systems that have developed in non-Western cultures include traditional Chinese medicine and Ayurveda.

Mind-Body Medicine

Mind-body medicine uses a variety of techniques designed to enhance the mind's capacity to affect bodily function and symptoms. Some techniques that were considered CAM in the past have become mainstream (for example, patient support groups and cognitive-behavioral therapy). Other mind-body techniques are still considered CAM, including meditation, prayer, mental healing, and therapies that use creative outlets such as art, music, or dance.

Biologically Based Practices

Biologically based practices in CAM use substances found in nature, such as herbs, foods, and vitamins. Some examples include dietary supplements, herbal products, and the use of other so-called natural but as yet scientifically unproven therapies (for example, using shark cartilage to treat cancer).

Manipulative and Body-Based Practices

Manipulative and body-based practices in CAM are based on manipulation and/or movement of one or more parts of the body. Some examples include chiropractic or osteopathic manipulation, and massage.

Energy Medicine

Energy therapies involve the use of energy fields. They are of two types: (1) Biofield therapies are intended to affect energy fields that purportedly surround and penetrate the human body. The existence of such fields has not yet been scientifically proven. Examples include qi gong, Reiki, and Therapeutic Touch. (2) Bioelectromagnetic-based therapies involve the unconventional use of electromagnetic fields. [Excerpted from "What is CAM", <http://nccam.nih.gov/health/whatiscam/overview.htm>]

The word "purportedly" in line 23 means _____.

- (A) always (B) claimed (C) never (D) with a purpose

It can be inferred from the passage that _____.

- (A) Ayurveda is developed in non-Western cultures
(B) traditional Chinese medicine is a type of mind-body medicine
(C) meditation is a form of whole medical systems
(D) whole medical systems is the best alternative therapies

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The word "mainstream" in line 11 means _____.
 (A) out-of-date (B) the principal course or trend (C) dangerous (D) illegal

It can be inferred from the passage that _____.
 (A) all natural products are safe to use
 (B) shark cartilage can treat cancer
 (C) biologically based practices in CAM include meditation
 (D) not all natural products has been tested for their effectiveness

According to the above passage, _____.
 (A) mind-body medicine is designed to enhance the body muscle strength
 (B) cognitive-behavioral therapy is accepted only by CAM practitioners
 (C) music and dance are still considered CAM
 (D) meditation is a scientifically proven therapy

It can be inferred from the passage that _____.
 (A) Chinese people prefer to use traditional Chinese medicine over other CAM
 (B) the mechanism of qi gong are thought to be involved with energy fields
 (C) the classification of the four CAM domains exist since ancient time
 (D) homeopathic medicine and naturopathic medicine are examples of the Ayurveda medical system

Link each word in the left column with its correct meaning provided in the right column: (40%)

13. alternative therapy	_____	A. quantitative determination of a substance
14. complementary therapy	_____	B. a division of the autonomic nervous system
15. aromatherapy	_____	C. a structured file of information
16. analysis	_____	D. therapies in addition to conventional treatments
17. survey	_____	E. conventional medicine
18. sympathetic nervous system	_____	F. products in capsule that provide essential nutrients
19. database	_____	G. a systematic collection of factual data
20. traditional medicine	_____	H. therapies instead of conventional treatments
21. dietary supplements	_____	I. a part of the digestive system
22. adverse effect	_____	J. the use of fragrances to affect a person's mood
		K. systems of medicine based on cultural practices
		L. undesired response resulting from an intervention