



硕博研究生英语考试系列丛书

中国科学院

博士研究生入学考试

英语考试大纲及真题精解
(2005—2013年)

主审：彭工

主编：于华

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前 言

英语水平是衡量报考博士研究生的考生是否具备攻读博士学位的实力的一个重要尺度。为确保考生具有一定的英语能力,入学后能顺利攻读博士学位,中国科学院从1984年起对博士研究生入学的英语考试实行统一命题和统一阅卷。中国科学院博士研究生招生入学考试英语考试实行春、秋季制,分别定在每年的3月和10月举行。从2002年起,每年春、秋两季博士入学英语考试的命题和阅卷工作全部由现中国科学院研究生院外语系承担。

为了顺应教育部关于在博士入学英语考试中取消听力测试的要求,2005年9月制定了新的考试大纲。新大纲是在2002年10月起试行的原《中国科学院研究生院博士研究生入学考试英语考试大纲》的基础上修订的,自2005年10月起在中国科学院研究生院范围内试行。根据2005年9月的大纲,试题中去掉了原大纲规定测试的听力理解部分,增添了阅读理解B题型,使得阅读理解占整份试卷的比例由原来的30%提高到40%,并且翻译和写作的比例也由原来的10%和15%相应提高到15%和20%。

为了帮助广大报考中国科学院所属各院、所、园、中心、站、台相关专业拟攻读博士学位的考生了解博士入学英语考试题型,提高考试成绩,顺利通过考试,我们已将2004年3月之前的中国科学院博士研究生英语入学考试的真题出版成书。其中,1998年以前的考题收录在由龙门书局1999年出版的《中国科学院博士研究生英语入学考试试题集》一书中,而1999年至2004年3月的八套试题及详解被收录在北京理工大学出版社出版的由李晓棣教授主编的《中国科学院博士研究生招生入学考试英语考试真题详解(1999—2004)》一书中。这两本书的出版受到了报考中国科学院博士研究生的考生的热烈欢迎,同时广大考生强烈要求将2005年9月新考试大纲制定之后的历年考试真题及时收编入册。

本书在策划上,除2005年9月考试大纲中的一套样题之外,共收录了18套真题,即2005年10月—2013年10月的18套真题并配有参考答案及试题精解。本书的试题精解部分由彭工策划和主审,于华组织和主编,参加精解编写的老师有:田禾(词汇)、金辉(词汇)、韩诚忠(词汇)、向俊(完形填空)、洪雷(完形填空)、彭宇(阅读理解A)、于华(词汇、阅读理解A、阅读理解B)、杨莉(英译汉)、高原(写作)、胡江波(写作)。

本书是应广大考生的实际需求进行的一次尝试。由于教学任务繁重,时间仓促,疏漏不妥之处难免,敬请同行专家和读者不吝指正。

编 者
2014年2月

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第一部分

中国科学院研究生院 博士研究生入学 考试英语考试 大纲及样题

中国科学院研究生院 博士研究生入学考试 英语考试大纲

本大纲是在 2002 年 10 月起试行的原《中国科学院研究生院博士研究生入学考试英语考试大纲》的基础上修订的,自 2005 年 10 月起在中国科学院研究生院范围内试行。

考试对象

报考中国科学院所属各院、所、园、中心、站、台相关专业拟攻读博士学位的考生。

考试目的

检验考生是否具有进入攻读博士学位阶段的英语水平和能力。

考试类型、考试内容及考试结构

本考试共有 5 个部分:词汇(占 10%)、完形填空(占 15%)、阅读理解(占 40%)、英译汉(占 15%)、写作(占 20%)。试卷分为:试卷一(PAPER ONE)客观试题,包括前 3 个部分,共 75 题,顺序排号;试卷二(PAPER TWO)主观试题,包括英译汉和写作两个部分。

一、词汇

主要测试考生是否具备一定的词汇量和根据上下文对词和词组意义判断的能力。词和词组的测试范围基本以本考试大纲词汇表为参照依据。

共 20 题。每题为一个留有空白的英文句子。要求考生从所给的 4 个选项中选出可用在句中的最恰当词或词组。

二、完形填空

主要测试考生在语篇层次上的理解能力以及对词汇表达方式和结构掌握的程度。考生应具有借助于词汇、句法及上下文线索对语言进行综合分析和应用的能力。要求考生就所给篇章中 15 处空白所需的词或短语分别从 4 个选项中选出最佳答案。

三、阅读理解

本部分共分两节。要求考生能:

- (1) 掌握中心思想、主要内容和具体细节。
- (2) 进行相关的判断和推理。

(3) 准确把握某些词和词组在上下文中的特定含义。

(4) 领会作者的观点和意图,判断作者的态度。

A 节:主要测试考生在规定时间内通过阅读获取相关信息的能力。考生须完成 1 800 ~ 2 000 词的阅读量并就题目从 4 个选项中选出最佳答案。

B 节:主要测试考生对诸如连贯性和一致性等语段特征的理解。考生须完成 700 ~ 900 词的阅读量(2 篇短文),并根据每篇文章(约 400 词)的内容,从文后所提供的 6 段文字中选择能分别放进文章中 5 个空白处的 5 段。

四、英译汉

要求考生将一篇近 400 词的英语短文中有下划线的 5 个句子翻译成汉语。主要测试考生是否能从语篇的角度正确理解英语原句的意思,并能用准确、达意的汉语书面表达出来。

五、写作

要求考生按照命题、所给提纲或背景图、表写出一篇不少于 200 词的短文。目的是测试考生用英语表达思想或传递信息的能力及对英文写作基础知识的实际运用能力。

考试时间及计分

考试时间总计为 180 分钟,其中试卷一为 110 分钟,试卷二为 70 分钟。卷面总分 100 分。详见下表。

试卷一:

题号	名称	题量/道	分值/%	时间/min
I	词汇	20	10	15
II	完形填空	15	15	15
III - A	阅读理解(A)	30	30	60
III - B	阅读理解(B)	10	10	20
小计	—	75	65	110

试卷二:

题号	名称	题量/道	分值/%	时间/min
IV	英译汉——语篇中句子	5	15	30
V	写作	1	20	40
小计	—	6	35	70

中国科学院

博士研究生入学考试

英语试卷

(样题)

考生须知:

- 一、本试卷由试卷一 (PAPER ONE) 和试卷二 (PAPER TWO) 两部分组成。试卷一为客观题,答卷使用标准化机读答题纸;试卷二为主观题,答卷使用非机读答题纸。
- 二、请考生一律用 HB 或 2B 铅笔填涂标准化机读答题纸,画线不得过细或过短。修改时请用橡皮擦拭干净。若因填涂不符合要求而导致计算机无法识别,责任由考生自负。请保持机读答题纸清洁、无折皱。答题纸切忌折叠。
- 三、全部考试时间总计 180 分钟,满分为 100 分。时间及分值分布如下:

试卷一:

I 词汇	15 分钟	10 分
II 完形填空	15 分钟	15 分
III 阅读理解	80 分钟	40 分
小计	110 分钟	65 分

试卷二:

IV 英译汉	30 分钟	15 分
V 写作	40 分钟	20 分
小计	70 分钟	35 分

SAMPLE TEST
THE CHINESE ACADEMY OF SCIENCES
ENGLISH ENTRANCE EXAMINATION
FOR
DOCTORAL CANDIDATES

PAPER ONE

PART I VOCABULARY (15 minutes, 10 points, 0.5 point each)

Directions: Choose the word or expression below each sentence that best completes the statement, and mark the corresponding letter of your choice with a single bar across the square brackets on your Machine-scoring Answer Sheet.

1. Ten years ago, a house with a decent bathroom was a _____ symbol among university professors.
A. post B. status C. position D. place
2. It would be far better if collectors could be persuaded to spend their time and money in support of _____ archaeological research.
A. legible B. legitimate C. legislative D. illicit
3. We seek a society that has at its _____ a respect for the dignity and worth of the individual.
A. end B. hand C. core D. best
4. A variety of problems have greatly _____ the country's normal educational development.
A. impeded B. imparted C. implored D. implemented
5. A good education is an asset you can _____ for the rest of your life.
A. spell out B. call upon C. fall over D. resort to
6. Oil can change a society more _____ than anyone could ever have imagined.
A. grossly B. severely C. rapidly D. drastically
7. Beneath its myriad rules, the fundamental purpose of _____ is to make the world a more pleasant place to live in, and you a more pleasant person to live with.
A. elitism B. eloquence C. eminence D. etiquette
8. The New Testament was not only written in Greek language, but ideas derived from Greek philosophy were _____ in many parts of it.
A. altered B. criticized C. incorporated D. translated

9. Nobody will ever know the agony I go _____ waiting for him to come home.
A. over B. with C. down D. through
10. While a country's economy is becoming the most promising in the world, its people should be more _____ about their quality of life.
A. discriminating B. distributing C. disagreeing D. disclosing
11. Cheated by two boys whom he had trust on, Joseph promised to _____ them.
A. find fault with B. make the most of
C. look down upon D. get even with
12. The Minister's _____ answer let to an outcry from the Opposition.
A. impressive B. evasive C. intensive D. exhaustive
13. In proportion as the _____ between classes within the nation disappears the hostility of one nation to another will come to an end.
A. intolerance B. pessimism C. injustice D. antagonism
14. Everyone does their own thing, to the point where a fifth-grade teacher can't _____ on a fourth-grade teacher having taught certain things.
A. count B. insist C. fall D. dwell
15. When the fire broke out in the building, the people lost their _____ and ran into the elevator.
A. hearts B. tempers C. heads D. senses
16. Consumers deprived of the information and advice they needed were quite simply _____ every cheat in the marketplace.
A. at the mercy of B. in lieu of C. by courtesy of D. for the price of
17. In fact the purchasing power of a single person's pension in Hong Kong was only 70 per cent of the value of the _____ Singapore pension.
A. equivalent B. similar C. consistent D. identical
18. He became aware that he had lost his audience since he had not been able to talk _____.
A. honestly B. graciously C. coherently D. flexibly
19. The novel, which is a work of art, exists not by its _____ life, but by its immeasurable difference from life.
A. significance in B. imagination at
C. resemblance to D. predominance over
20. She was artful and could always _____ her parents in the end.
A. shout down B. get round C. comply with D. pass over

PART II CLOZE TEST (15 minutes, 15 points)

Directions: For each blank in the following passage, choose the best answer from the four choices given below. Mark the corresponding letter of your choice with a single bar across the square brackets on your Machine-scoring Answer Sheet.

We are entering a period in which rapid population growth, the presence of deadly weapons, and dwindling resources will bring international tensions to dangerous levels for an extended period. Indeed, 21 seems no reason for these levels of danger to subside unless population equilibrium is 22 and some rough measure of fairness reached in the distribution of wealth among nations. 23 of adequate magnitude imply a willingness to redistribute income internationally on a more generous 24 than the advanced nations have evidenced within their own domains. The required increases in 25 in the backward regions would necessitate gigantic applications of energy merely to extract the 26 resources.

It is uncertain whether the requisite energy-producing technology exists, and more serious, 27 that its application would bring us to the threshold of an irreversible change in climate 28 a consequence of the enormous addition of manmade heat to the atmosphere. It is this 29 problem that poses the most demanding and difficult of the challenges. The existing 30 of industrial growth, with no allowance for increased industrialization to repair global poverty, hold 31 the risk of entering the danger zone of climatic change in as 32 as three or four generations. If the trajectory is in fact pursued, industrial growth will 33 have to come to an immediate halt, for another generation or two along that 34 would literally consume human, perhaps all life. The terrifying outcome can be postponed only to the extent that the wastage of heat can be reduced, 35 that technologies that do not add to the atmospheric heat burden — for example, the use of solar energy — can be utilized. (1996)

- | | | | |
|------------------|-----------------|---------------|----------------|
| 21. A. one | B. it | C. this | D. there |
| 22. A. achieved | B. succeeded | C. produced | D. executed |
| 23. A. Transfers | B. Transactions | C. Transports | D. Transcripts |
| 24. A. extent | B. scale | C. measure | D. range |
| 25. A. outgrowth | B. outcrop | C. output | D. outcome |
| 26. A. needed | B. needy | C. needless | D. needing |
| 27. A. possible | B. possibly | C. probable | D. probably |
| 28. A. in | B. with | C. as | D. to |
| 29. A. least | B. late | C. latest | D. last |
| 30. A. race | B. pace | C. face | D. lace |
| 31. A. on | B. up | C. down | D. out |
| 32. A. less | B. fewer | C. many | D. little |
| 33. A. rather | B. hardly | C. then | D. yet |
| 34. A. line | B. move | C. drive | D. track |
| 35. A. if | B. or | C. while | D. as |

PART III READING COMPREHENSION

Section A (60 minutes, 30 points)

Directions: Below each of the following passages you will find some questions or incomplete statements. Each question or statement is followed by four choices marked A, B, C, and D. Read each passage carefully, and then select the choice that best answers the question or completes the statement. Mark the letter of your choice with a single bar across the square brackets on your Machine-scoring Answer Sheet.

Passage One

The writing of a historical synthesis involves integrating the materials available to the historian into a comprehensible whole. The problem in writing a historical synthesis is how to find a pattern in, or impose a pattern upon, the detailed information that has already been used to explain the causes for a historical event.

A synthesis seeks common elements in which to interpret the contingent parts of a historical event. The initial step, therefore, in writing a historical synthesis, is to put the event to be synthesized in a proper historical perspective, so that the common elements or strands making up the event can be determined. This can be accomplished by analyzing the historical event as part of a general trend or continuum in history. The common elements that are familiar to the event will become the ideological framework in which the historian seeks to synthesize. This is not to say that any factor will not have a greater relative value in the historian's handling of the interrelated when viewed in a broad historical perspective.

The historian, in synthesizing, must determine the extent to which the existing hypotheses have similar trends. A general trend line, once established, will enable these similar trends to be correlated and paralleled within the conceptual framework of a common base. A synthesis further seeks to determine, from existing hypotheses, why an outcome took the direction it did; thus, it necessitates reconstructing the spirit of the times in order to assimilate the political, social, psychological, etc., factors within a common base.

As such, the synthesis becomes the logical construct in interpreting the common ground between an original explanation of an outcome (thesis) and the reinterpretation of the outcome along different lines (antithesis). Therefore, the synthesis necessitates the integration of the materials available into a comprehensible whole which will in turn provide a new historical perspective for the event being synthesized.

36. The author would mostly be concerned with _____.
A. finding the most important cause for a particular historical event
B. determining when hypotheses need to be reinterpreted

- C. imposing a pattern upon varying interpretations for the causes of a particular historical event
D. attributing many conditions that together lead to a particular historical event or to single motive
37. The most important preliminary step in writing a historical synthesis would be _____.
A. to accumulate sufficient reference material to explain an event
B. analyzing the historical event to determine if a “single theme theory” applies to the event
C. determining the common strands that make up a historical event
D. interpreting historical factors to determine if one factor will have relatively greater value
38. The best definition for the term “historical synthesis” would be _____.
A. combining elements of different material into a unified whole
B. a tentative theory set forth as an explanation for an event
C. the direct opposite of the original interpretation of an event
D. interpreting historical material to prove that history repeats itself
39. A historian seeks to reconstruct the “spirit” of a time period because _____.
A. the events in history are more important than the people who make history
B. existing hypotheses are adequate in explaining historical events
C. this is the best method to determine the single most important cause for a particular action
D. varying factors can be assimilated within a common base
40. Which of the following statements would the author consider false?
A. One factor in a historical synthesis will not have a greater value than other factors.
B. It is possible to analyze common unifying points in hypotheses.
C. Historical events should be studied as part of a continuum in history.
D. A synthesis seeks to determine why an outcome took the direction it did.

Passage Two

When you call the police, the police dispatcher has to locate the car nearest you that is free to respond. This means the dispatcher has to keep track of the status and location of every police car — not an easy task for a large department.

Another problem, which arises when cars are assigned to regular patrols, is that the patrols may be too regular. If criminals find out that police cars will pass a particular location at regular intervals, they simply plan their crimes for times when no patrol is expected. Therefore, patrol cars should pass by any particular location at random times; the fact that a car just passed should be no guarantee that another one is not just around the corner. Yet simply ordering the officers to patrol at random would lead to chaos.

A computer dispatching system can solve both these problems. The computer has no trouble keeping track of the status and location of each car. With this information, it can determine instantly which car should respond to an incoming call. And with the aid of a pseudorandom number generator, the computer can assign routine patrols so that criminals can't predict just when a police car will pass through a particular area.

(Before computers, police sometimes used roulette wheels and similar devices to make random assignments.)

Computers also can relieve police officers from constantly having to report their status. The police car would contain a special automatic radio transmitter and receiver. The officer would set a dial on this unit indicating the current status of the car — patrolling, directing traffic, chasing a speeder, answering a call, out to lunch, and so on. When necessary, the computer at headquarters could poll the car for its status. The voice radio channels would not be clogged with cars constantly reporting what they were doing. A computer in the car automatically could determine the location of the car, perhaps using the LORAN method. The location of the car also would be sent automatically to the headquarters computer.

41. The best title for this passage should be _____.
A. Computers and Crimes
B. Patrol Car Dispatching
C. The Powerful Computers
D. The Police with Modern Equipment
42. A police dispatcher is NOT supposed to _____.
A. locate every patrol car
B. guarantee cars on regular patrols
C. keep in touch with each police car
D. find out which car should respond to the incoming call
43. If the patrols are too regular, _____.
A. the dispatchers will be bored with it
B. the officers may become careless
C. the criminals may take advantage of it
D. the streets will be in a state of chaos
44. The computer dispatching system is particularly good at _____.
A. assigning cars to regular patrols
B. responding to the incoming calls
C. ordering officers to report their location
D. making routine patrols unpredictable
45. According to the account in the last paragraph, how can a patrol car be located without computers?
A. Police officers report their status constantly.
B. The headquarters poll the car for its status.
C. A radio transmitter and receiver is installed in a car.
D. A dial in the car indicates its current status.