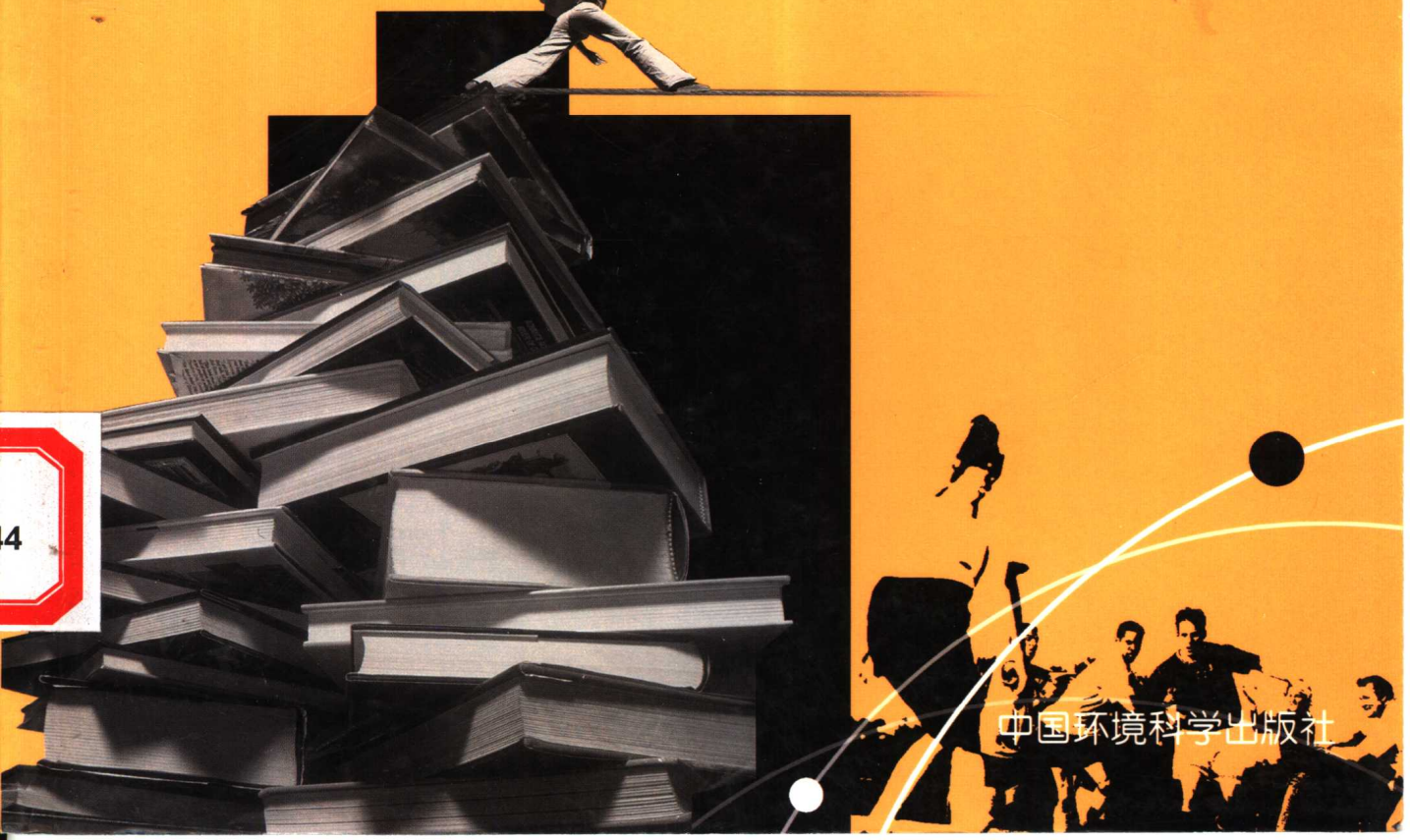


GRE

逻辑分析教程



4

中国环境科学出版社

GRE

逻辑分析教程



GRE

逻辑分析教程

本书编写组 编

中国环境科学出版社

· 北 京 ·

图书在版编目 (CIP) 数据

GRE 逻辑分析教程 / 《GRE 逻辑分析教程》编写组编.

—北京: 中国环境科学出版社, 2002.7

ISBN 7-80163-340-7

I.G... II.G... III.①英语-研究生-入学考试-美国-自学参考资料
②逻辑-研究生-入学考试-美国-自学参考资料 IV.①H310.41②B81

中国版本图书馆 CIP 数据核字 (2002) 第 046969 号

出 版 中国环境科学出版社出版发行
(100036 北京海淀区普惠南里 14 号)
网 址: <http://www.cesp.com.cn>
电子信箱: cesp@public.east.cn.net

印 刷 北京市兆成印刷有限责任公司

经 销 各地新华书店

版 次 2002 年 7 月第 1 版 2002 年 7 月第 1 次印刷

印 数 1-10100

开 本 787×1092 1/16

印 张 15

字 数 216 千字

定 价 30.00 元

说 明

本 GRE 系列由《GRE 类比·反义词教程》、《GRE 填空教程》、《GRE 数学教程》、《GRE 阅读理解教程》和《GRE 逻辑分析教程》构成，由全国数十名 GRE 著名教师和研究专家历经数年集体编撰而成；体现了近十年的 GRE 考试精华以及 2000—2002 年的最新考试趋势，真实地剖析和反映了 ETS 的出题思想。

本系列紧跟机考的最新变化，其中的习题均为考试中的重点和难点，因此实效性和实战性极强。广大同学只要使用本系列进行艰苦卓绝的训练，一定能获得理想的成绩。

2002 年 6 月

目 录

Section One	1
Section Two	9
Section Three	16
Section Four	24
Section Five	31
Section Six	39
Section Seven	46
Section Eight	53
Section Nine	61
Section Ten	69
Section Eleven	78
Section Twelve	84
Section Thirteen	92
Section Fourteen	100
Section Fifteen	108
Section Sixteen	116
Section Seventeen	124
Section Eighteen	132
Section Nineteen	141
Section Twenty	149
Section Twenty-One	156
Section Twenty-Two	164
Section Twenty-Three	172
Section Twenty-Four	180
Section Twenty-Five	188
Section Twenty-Six	195
Section Twenty-Seven	203
Section Twenty-Eight	211
Section Twenty-Nine	218
Section Thirty	226
GRE 逻辑答案	234

Exercise One

Questions 1-7

Five patients—L, M, N, O, and P—must be scheduled to undergo physical therapy treatments within a seven-day period beginning on the first day of a month and ending on the seventh day of the same month. Exactly one patient can be treated per day. The schedule must accommodate the following conditions:

L is to receive exactly two treatments; the second treatment must be scheduled for the fourth day after the day of the first treatment.

M is to receive exactly one treatment.

N is to receive exactly one treatment, which must be scheduled for either the day before or the day after the day of L's first treatment.

O is to receive exactly one treatment, which must be scheduled for a day anytime before the day of L's second treatment.

P is to receive exactly one treatment, which must be scheduled for the third day after the day of M's treatment.

1. Any of the five patients could be scheduled for the first day of the month

EXCEPT

- (A) L
- (B) M
- (C) N
- (D) O
- (E) P

2. Which of the following is a possible schedule, including the open day for which no patient is scheduled, from the first day through the seventh day of the month?

- (A) L, M, N, O, L, P, open day
- (B) M, L, N, P, open day, L, O
- (C) N, L, M, O, P, L, open day
- (D) N, L, O, M, open day, L, P
- (E) Open day, L, M, O, L, N, P.

3. The day of M's treatment must be no more than how many days after L's first treatment?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

4. N could be scheduled for any of the following days EXCEPT the

- (A) first
- (B) second

- (C) third
(D) fourth
(E) fifth
5. If M is to be scheduled for the first day of the month, which of the following pairs of patients CANNOT be scheduled for consecutive days?
(A) L and P
(B) M and L
(C) M and N
(D) N and O
(E) N and P
6. If no patient is to be scheduled for the first of the month, which of the following could be true?
(A) M is scheduled for the day before the day of L's first treatment.
(B) N is scheduled for the day before the day of L's first treatment.
(C) O is scheduled for the day before the day of L's first treatment.
(D) P is scheduled for the day before the day of L's second treatment.
(E) P is scheduled for the day after the day of O's treatment.
7. If N is scheduled for the day before the day of L's first treatment, the days for which M's treatment can be scheduled include the
(A) first day and second day
(B) first day and fourth day
(C) second day and third day
(D) second day and fourth day
(E) third day and fourth day
8. In the 1980 United States census, marital status was described under one of five categories: single, now married (but not separated), separated, divorced, widowed. In the category "separated," including both those who were legally separated and those who were estranged and living apart from their spouses, one million more women than men were counted.
- Which of the following, if true, provide(s) or contribute(s) to an explanation for this result?
- I. There are more women of marriageable age than men of marriageable age in the United States.
II. More of the separated men than separated women in the United States could not be found by the census takers during the census.
III. Many more separated men than separated women left the United States for residence in another country.
- (A) I only
(B) II only
(C) III only
(D) I and II only
(E) II and III only
9. In recent years shrimp harvests of commercial fishermen in the South Atlantic have declined dramatically in total weight. The decline is due

primarily to competition from a growing number of recreational fishermen, who are able to net young shrimp in the estuaries where they mature.

Which of the following regulatory actions would be most likely to help increase the shrimp harvests of commercial fishermen?

- (A) Requiring commercial fishermen to fish in estuaries.
 - (B) Limiting the total number of excursions per season for commercial fishermen
 - (C) Requiring recreational fishermen to use large-mesh nets in their fishing
 - (D) Putting an upper limit on the size of the shrimp recreational fishermen are allowed to catch.
 - (E) Allowing recreational fishermen to move out of estuaries into the South Atlantic
10. The 38 corporations that filed United States income tax returns showing a net income of more than \$ 100 million accounted for 53 percent of the total taxable income from foreign sources reported on all tax returns. Sixty percent of the total taxable income from foreign sources came from the 200 returns reporting income from 10 or more countries. If the statements above are true, which of the following must also be true?

- (A) Most of the total taxable income earned by corporations with net income above \$ 100 million was earned from foreign sources.
- (B) Wealthy individuals with large personal incomes reported 47 percent of the total taxable income from foreign sources.
- (C) Income from foreign sources amounted to between 53 and 60 percent of all reported taxable income.
- (D) Some of the corporations with net income above \$ 100 million reported income from 10 or more countries.
- (E) Most of the tax returns showing income from 10 or more countries reported net income of more than \$ 100 million.

Questions 11-14

Seven people—Tomas, Nadine, Pavel, Marta, Rachel, Fred, and Kurt—are planning to travel down a river on two rafts. The group will be assigned to the rafts according to the following conditions: Tomas must be assigned to the same raft as Rachel. Fred cannot be on the same raft as Pavel unless Marta is also on that raft.

The maximum number of persons on each raft is four. Neither Nadine nor Pavel can be assigned to the same raft as Kurt.

11. If Fred is assigned to the same raft as Nadine, which of the following must be true?
- (A) Kurt is assigned to the other raft.
 (B) Marta is assigned to the other raft.
 (C) Pavel is assigned to the other raft.
 (D) Rachel is assigned to the same raft as Fred and Nadine
 (E) Tomas is assigned to the same raft as Fred and Nadine.
12. If Rachel is assigned to the same raft as Pavel, which of the following must be true?
- (A) Kurt is assigned to the same raft as Rachel and Pavel.
 (B) Nadine is assigned to the same raft as Kurt.
 (C) Nadine is assigned to the raft other than the one to which Pavel is assigned.
 (D) Rachel and Pavel are assigned to the raft carrying four people.
 (E) Tomas is assigned to the raft other than the one to which Pavel is assigned.
13. If Kurt is assigned to the same raft as Marta, which of the following must be true?
- (A) Fred is assigned to the same raft as Nadine.
 (B) Fred is assigned to the same raft as Tomas.
 (C) Nadine is assigned to the same raft as Pavel.
 (D) Nadine is assigned to the same raft as Kurt and Marta.
 (E) Rachel is assigned to the same raft as Kurt and Marta.
14. If Rachel is assigned to the same raft as Fred, which of the following is a complete and accurate list of the people who must then be assigned to the other raft?
- (A) Fred, Pavel
 (B) Kurt, Tomas
 (C) Marta, Tomas
 (D) Kurt, Marta, Nadine
 (E) Marta, Nadine, Pavel

Questions 15-18

Central Bank is open from Monday through Friday each week. Each day that the bank is open, one bank officer is assigned as AM loan officer and a different bank officer is assigned as PM loan officer. The bank has five officers—Reynolds, Short, Torrez, Underwood, and Vance. The assignment of loan officers is always made in accordance with the following conditions:

Each officer must be assigned as loan officer at least once each week.

An officer is never assigned as a loan officer consecutive days in the same

week.

Torrez is never assigned as the AM loan officer. Vance is always assigned as the PM loan officer on Monday and Wednesday, and has no other

assignments.

Underwood is never assigned to be a loan officer on the same day that Short is assigned to be a loan officer.

15. Which of the following is an acceptable assignment of loan officers for a single week?

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	
(A)	AM Underwood	Short	Reynolds	Torrez	Short	
	PM Vance	Torrez	Vance	Underwood	Torrez	
(B)	AM Short	Short	Reynolds	Torrez	Reynolds	
	PM Vance	Torrez	Vance	Short	Torrez	
(C)	AM Short	Torrez	Short	Reynolds	Short	
	PM Reynolds	Vance	Vance	Torrez	Underwood	
(D)	AM Underwood	Short	Reynolds	Short	Reynolds	
	PM Vance	Torrez	Vance	Torrez	Underwood	
(E)	AM Underwood	Torrez	Underwood	Reynolds	Underwood	
	PM Vance	Reynolds	Short	Torrez	Vance	

16. What is the maximum number of times that Torrez could be assigned as loan officer in a single week?

- (A) 1
(B) 2
(C) 3
(D) 4
(E) 5

17. In a week in which Underwood is assigned as PM loan officer on Tuesday, which of the following must be true?

- (A) Underwood is assigned as the PM loan officer on Thursday.

- (B) Reynolds is assigned as the AM loan officer on Friday.
(C) Reynolds is assigned as the AM loan officer on Tuesday.
(D) Short is assigned as the AM loan officer on Thursday.
(E) Underwood is assigned as the AM loan officer on Friday.

18. In a week in which Torrez' only assignment as a loan officer is on Friday, which of the following must be true?

- (A) Reynolds is assigned as a loan officer on Tuesday.

- (B) Reynolds is assigned as a loan officer on Wednesday.
- (C) Reynolds is assigned as a loan officer on Friday.
- (D) Underwood is assigned as a loan officer on Thursday.
- (E) Underwood is assigned as a loan officer on Friday.

Questions 19-22

A certain code uses only the letters K, L, M, N, and O. Words in the code are written from left to right. Code words are only those words that conform to the following conditions:

The minimum length for code words is two letters, not necessarily different from each other.

K cannot be the first letter in a word.

L must occur more than once in a word, if it occurs at all.

M cannot be the last letter in a word, nor the next-to-the-last letter.

N must occur in a word if K occurs in the word.

O cannot be the last letter in a word unless

L occurs in the word.

19. If the only kinds of letters that are available are K, L, and M, then the total number of different code words, each exactly two letters long, that it is possible to make is
- (A) 1

- (B) 3
- (C) 6
- (D) 9
- (E) 12

20. What is the total number of different code words exactly three identical letters long that it is possible to make?

- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

21. The code word M M L L O K N can be turned into another code word by carrying out any one of the following changes EXCEPT

- (A) replacing every L with an N
- (B) replacing the first M with an O
- (C) replacing the N with an O
- (D) moving the O to the immediate right of the N
- (E) moving the second L to the immediate left of the K

22. Which of the following could be turned into a code word by replacing the "X" with a letter used in the code?

- (A) M K X N O
- (B) M X K M N
- (C) X M M K O
- (D) X M O L K
- (E) X O K L L

23. The sense of delayed gratification, of working now for later pleasure, has helped shape the economic behavior of our society. However, that sense is no longer nurtured as consistently in our children as it once was. For example, it used to take a bit of patience to put together toys that children got in cereal boxes; now the toys come from the boxes whole.

Which of the following is an assumption of the passage above?

- (A) The toys in cereal boxes have changed partly because the economic conditions of our society have improved.
 - (B) The influence of promotion gimmicks on the economic behavior of our society has increased over the years.
 - (C) The toys that used to come in cereal boxes were put together by the same children who played with them.
 - (D) Part of the pleasure of any toy lies in putting the toy together before playing with it.
 - (E) Today's children do not expect a single toy to provide pleasure for a long period of time.
24. The Supreme Court is no longer able to keep pace with the tremendous number of cases it agrees to decide. The Court schedules and hears 160 hours of oral argument each year, and

108 hours of next year's term will be taken up by cases left over from this year. Certainly the Court cannot be asked to increase its already burdensome hours. The most reasonable long-range solution to this problem is to allow the Court to decide many cases without hearing oral argument; in this way the Court might eventually increase dramatically the number of cases it decides each year.

Which of the following, if true, could best be used to argue against the feasibility of the solution suggested above?

- (A) The time the Court spends hearing oral argument is only a small part of the total time it spends deciding a case.
 - (B) The Court cannot legitimately avoid hearing oral argument in any case left over from last year.
 - (C) Most authorities agree that 160 hours of oral argument is the maximum number that the Court can handle per year.
 - (D) Even now the Court decides a small number of cases without hearing oral argument.
 - (E) In many cases, the delay of a hearing for a full year can be extremely expensive to the parties involved.
25. That social institutions influence the

formation of character has become a generally accepted proposition. This doctrine views individuals as but compliant recipients of social influence: personalities are entirely the products of society, and at any point in life an individual's personality can be changed by management of the social world. Crime is said to exist only because society has in some ways failed in its responsibility to give every person the resources to lead a productive life. However, whereas it is true that extreme poverty forces some people to steal, it is obvious that some persons will commit crimes no matter how well society treats them.

Which of the following is implied by the "doctrine" (line 3) described in the passage above?

- (A) Social institutions may reflect personality as much as they shape it.
- (B) Social influence on personality is most strongly felt by the affluent.
- (C) The concentration of wealth in the hands of a privileged few accounts for the existence of crime.
- (D) Bringing about social reform is the most likely means of curtailing crime.
- (E) Less severe punishment of crime would be likely to result in more crime.

Section Two

Questions 1-5

An old painting portrays a seated jury of exactly six persons arranged in two parallel rows of three persons each. Each person in the back row is directly behind one person in the front row. The positions of the six jurors, numbered 1 through 6 by historians, appear in the painting as follows:

Back row, left to right—4 5 6
Front row, left to right—1 2 3

Inscribed on the back of the paintings are the names of exactly five persons—Urquart, Vere, Winters, Young, and Zeno. The historians know that each of these five persons is a juror portrayed in the painting. The name of the sixth person in the painting is unknown. The only additional information that historians have comes from letters of the time, which indicate the following.

Zeno is in position 5.
Young is directly behind Winters.
Urquart is not in the same row as Vere.

1. If the jury's front row is made up, from left to right, of Urquart, the juror whose name is unknown, and Winters, which of the following must be true?
 - (A) Vere is in position 4.
 - (B) Vere is in position 5.
 - (C) Vere is in position 6.
 - (D) Young is in position 4.
 - (E) Young is in position 5.
2. If one of the two rows is made up, from left to right, of Winters, the juror whose name is unknown, and Vere, then Urquart must be in position
 - (A) 1
 - (B) 2
 - (C) 3
 - (D) 4
 - (E) 6
3. If Urquart is directly in front of Zeno, which of the following must be true?
 - (A) Vere is in position 4.
 - (B) Vere is directly behind the juror whose name is unknown.
 - (C) The juror whose name is unknown is in position 1.
 - (D) The juror whose name is unknown is in position 6.
 - (E) The juror whose name is unknown

is directly behind Vere.

4. Which of the following jurors must be in the same row as Zeno?
- (A) Urquart
 - (B) The juror whose name is unknown
 - (C) Vere
 - (D) Winters
 - (E) Young
5. Which of the following, if it could be established, would allow historians to determine the positions of all other jurors portrayed in the painting?
- (A) The juror whose name is unknown is in position 1.
 - (B) Vere is in position 2.
 - (C) Vere is in position 3.
 - (D) Winters is in position 1.
 - (E) Young is in position 6.
6. A person who agrees to serve as mediator between two warring factions at the request of both abandons by so agreeing the right later to take sides. To take sides at a later point would be to suggest that the earlier presumptive impartiality was a sham.

The passage above emphasizes which of the following points about mediators?

- (A) They should try to form no opinions of their own about any issue that is related to the dispute.
- (B) They should not agree to serve unless they are committed to maintaining a stance of

impartiality.

- (C) They should not agree to serve unless they are equally acceptable to all parties to a dispute.
 - (D) They should feel free to take sides in the dispute right from the start, provided that they make their biases publicly known.
 - (E) They should reserve the right to abandon their impartiality so as not to be open to the charge of having been deceitful.
7. A research study reports that a particular educational program has improved the prospects for success in later schooling for those children aged three to five who were subjects of the study. It follows, then, that introducing similar programs for all children aged three to five will improve their chances for success in latter schooling.

Which of the following, if true, would most weaken the argument above?

- (A) The parents of preschool children in the United States are attracted to educational fads and do not have a clear idea of what sorts of early education programs might benefit their children.
- (B) The cognitive abilities of children are constantly changing between ages three and five.
- (C) The researchers unwittingly included a substantial number of

- children who had been previously exposed to another educational enrichment program.
- (D) Many parents erroneously presume that early formal instruction takes up time that children could better spend exploring their worlds independently.
- (E) It would require extraordinary public expense to establish such educational enrichment programs on a national basis.
8. Earthquakes, volcanic eruptions, and unusual weather have caused many more natural disasters adversely affecting people in the past decade than in previous decades. We can conclude that the planet Earth as a natural environment has become more inhospitable and dangerous, and we should employ the weather and earth sciences to look for causes of this trend.
- The conclusion drawn above is most seriously weakened if which of the following is true?
- (A) The weather and earth sciences have provided better early warning systems for natural disasters in the past decade than in previous decades.
- (B) International relief efforts for victims of natural disasters have been better organized in the past decade than in previous decades.
- (C) There are records of major earthquakes, volcanic eruptions, droughts, landslides, and floods occurring in the distant past, as well as in the recent past.
- (D) Population pressures and poverty have forced increasing numbers of people to live in areas prone to natural disasters.
- (E) There have been no changes in the past decade in people's land-use practices that could have affected the climate.
- Questions 9-15**
- The manager of a commercial printing firm is scheduling exactly six jobs—P, Q, S, T, W, and X—for a particular week, Monday through Saturday. Each job can be completed in one full day, and exactly one job will be scheduled for each day. The jobs must be scheduled according to the following conditions:
- P must be printed sometime before S is printed.
- T must be printed on the day immediately before or the day immediately after the day on which X is printed.
- W must be printed on Thursday.
9. Which of the following is an acceptable schedule of jobs for the week?
- | | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
|-----|------|-------|------|--------|------|------|
| (A) | P | Q | T | W | X | S |
| (B) | P | W | S | X | T | Q |