SECTION IV

Time—35 minutes

23 Questions

Directions: Each group of questions in this section is based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question and blacken the corresponding space on your answer sheet.

Questions 1–6

A radio station airs hourly news updates every morning. Each update consists of exactly five reports—two of general interest: international and national; and three of local interest: sports, traffic, and weather. Each update must be structured as follows:

There are exactly two segments, the first segment containing three reports and the second segment containing two.

Within each segment, reports are ordered by length, from longest to shortest.

Each segment contains at least one report of local interest.

The national report is always the longest of the five reports.

The sports report is always the shortest of the five reports.

The international report is always longer than the weather report.

1. Which one of the following could be an accurate matching of reports to their segments, with the reports listed in order from earliest to latest?

(A) first segment: international, national, sports
second segment: traffic, weather

(B) first segment: national, international, sports
second segment: weather, traffic

(C) first segment: national, international, weather
second segment: sports, traffic

(D) first segment: national, weather, international
second segment: traffic, sports

(E) first segment: traffic, weather, sports
second segment: national, international

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2. If the traffic report is the last report in the first segment, then which one of the following must be true?

   (A) The national report is the first report in the first segment.
   (B) The international report is the second report in the first segment.
   (C) The weather report is the second report in the first segment.
   (D) The national report is the first report in the second segment.
   (E) The sports report is the last report in the second segment.

3. If the national report is the first report in the second segment, then exactly how many of the reports are there any one of which could be the first report in the first segment?

   (A) one
   (B) two
   (C) three
   (D) four
   (E) five

4. Which one of the following CANNOT be true?

   (A) The international report is the first report in the first segment.
   (B) The national report is the first report in the first segment.
   (C) The national report is the first report in the second segment.
   (D) The weather report is the first report in the first segment.
   (E) The weather report is the last report in the second segment.

5. The order of the reports is fully determined if which one of the following is true?

   (A) The international report is the last report in the first segment.
   (B) The national report is the first report in the first segment.
   (C) The national report is the first report in the second segment.
   (D) The sports report is the last report in the second segment.
   (E) The weather report is the last report in the first segment.

6. If the traffic report is the first report in the first segment, then which one of the following could be true?

   (A) The international report is the first report in the second segment.
   (B) The national report is the second report in the first segment.
   (C) The weather report is the second report in the first segment.
   (D) The weather report is the first report in the second segment.
   (E) The weather report is the last report in the second segment.

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Questions 7–12

On a single day, a realtor will show a client five houses, exactly one house in each of five neighborhoods—Quarry, Riverton, Shelburne, Townsend, and Valencia. Each house will be shown to the client exactly once. The order in which the houses are shown is subject to the following constraints:

The house in Riverton must be shown either first or second.
The house in Townsend must be shown either first or fifth.
The third house shown must be the house in Quarry or the house in Valencia.
The house in Quarry cannot be shown either immediately before or immediately after the house in Shelburne.

7. If the house in Quarry is shown fourth, which one of the following must be true?

(A) The house in Riverton is shown first.
(B) The house in Riverton is shown second.
(C) The house in Shelburne is shown second.
(D) The house in Townsend is shown first.
(E) The house in Valencia is shown third.

8. The order in which the houses are shown is fully determined if which one of the following is true?

(A) The house in Quarry is shown third.
(B) The house in Riverton is shown first.
(C) The house in Shelburne is shown second.
(D) The house in Townsend is shown fifth.
(E) The house in Valencia is shown fourth.

9. If the house in Shelburne is shown earlier than the house in Quarry, which one of the following must be true?

(A) The house in Quarry is shown fourth.
(B) The house in Riverton is shown second.
(C) The house in Shelburne is shown first.
(D) The house in Townsend is shown fifth.
(E) The house in Valencia is shown third.

10. Which one of the following could be true?

(A) The house in Quarry is shown first.
(B) The house in Quarry is shown fifth.
(C) The house in Valencia is shown first.
(D) The house in Valencia is shown second.
(E) The house in Valencia is shown fifth.

11. If the house in Valencia is shown third, which one of the following must be true?

(A) The house in Quarry is shown fourth.
(B) The house in Riverton is shown second.
(C) The house in Shelburne is shown first.
(D) The house in Shelburne is shown fourth.
(E) The house in Townsend is shown fifth.

12. Which one of the following, if substituted for the constraint that the house in Riverton must be shown either first or second, would have the same effect on the order in which the houses are shown?

(A) The house in Riverton cannot be shown fourth.
(B) The house in Riverton must be shown earlier than the house in Valencia.
(C) The house in Valencia must be shown either third or fourth.
(D) The house in Quarry must be shown either immediately before or immediately after the house in Riverton.
(E) If the house in Townsend is not shown fifth, then it must be shown immediately before the house in Riverton.

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Questions 13–18

Five artifacts—V, W, X, Y, and Z—recovered from a sunken ship are each known to have originated in Iceland, Norway, or Sweden. These artifacts, together with the surviving fragments of a cargo list, have enabled historians to determine the following:

W and Y originated in the same country.
X originated in Norway or Sweden.
More of the artifacts originated in Iceland than in Norway.
If V originated in Iceland, then Z originated in Sweden.

13. Which one of the following could be an accurate matching of the artifacts to their origins?

(A) Iceland: V, W
Norway: X
Sweden: Y, Z

(B) Iceland: W, Y
Norway: none
Sweden: V, X, Z

(C) Iceland: W, Y
Norway: V, Z
Sweden: X

(D) Iceland: V, W, Y
Norway: Z
Sweden: X

(E) Iceland: W, X, Y
Norway: Z
Sweden: V

14. If Y and Z originated in Iceland, then what is the minimum number of artifacts that originated in Sweden?

(A) zero
(B) one
(C) two
(D) three
(E) four

15. Which one of the following CANNOT be true?

(A) V and X both originated in Norway.
(B) V and Y both originated in Iceland.
(C) W and Z both originated in Iceland.
(D) W and Z both originated in Sweden.
(E) W and Y both originated in Norway.

16. If W and X originated in Sweden, then which one of the following must be true?

(A) None of the artifacts originated in Norway.
(B) None of the artifacts originated in Iceland.
(C) V originated in Sweden.
(D) Z originated in Iceland.
(E) Z originated in Sweden.

17. Exactly how many of the artifacts are there any one of which could have originated in Norway?

(A) one
(B) two
(C) three
(D) four
(E) five

18. Which one of the following CANNOT be true?

(A) Only V originated in Sweden.
(B) Only V and Z originated in Sweden.
(C) Only W and Y originated in Sweden.
(D) Only X and Z originated in Sweden.
(E) Only V, W, X, and Y originated in Sweden.

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Questions 19–23

The employees of the Summit Company—J, K, L, and M—work a four-day workweek from Monday through Thursday. Every Monday, work begins on four raw workpieces, each of which is worked on for four consecutive days. On any given day, an employee works on exactly one workpiece. At the beginning of each workday after Monday, each workpiece is transferred from the employee who worked on it the previous day to another one of the employees, who will work on it that day. Workpieces cannot be transferred in any of the following ways:

From J to M
From K to J
From L to J

19. Which one of the following describes four transfers of workpieces that could all occur together at the beginning of a particular workday?

(A) From J to K; from K to L; from L to M; from M to J
(B) From J to K; from K to M; from L to K; from M to J
(C) From J to L; from K to M; from L to J; from M to K
(D) From J to L; from K to J; from L to M; from M to K
(E) From J to M; from K to L; from L to K; from M to J

20. Which one of the following transfers must occur at the beginning of any workday that is not a Monday?

(A) From J to K
(B) From J to L
(C) From K to L
(D) From L to M
(E) From M to J

21. If one workpiece is worked on by only two of the four employees in the course of an entire workweek, those two employees must be

(A) J and K
(B) J and L
(C) K and L
(D) K and M
(E) L and M

22. If L works on the same workpiece both on Tuesday and on Thursday, which one of the following must be true about that workpiece?

(A) J works on it on Monday.
(B) K works on it on Monday.
(C) M works on it on Monday.
(D) J works on it on Wednesday.
(E) K works on it on Wednesday.

23. Which one of the following could be true about Tuesday?

(A) Transfers from J to K and from K to M occur.
(B) Transfers from J to L and from L to M occur.
(C) Transfers from J to M and from M to J occur.
(D) Transfers from K to L and from L to K occur.
(E) Transfers from K to L and from L to M occur.

S T O P

IF YOU FINISH BEFORE TIME IS CALLED, YOU MAY CHECK YOUR WORK ON THIS SECTION ONLY. DO NOT WORK ON ANY OTHER SECTION IN THE TEST.

ACKNOWLEDGMENTS

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Bruce Bower, "Brain Roots of Music Depreciation." ©2004 by Science Service, Inc.

Benjamin Freedman, "Equipoise and the Ethics of Clinical Research." ©1987 by the Massachusetts Medical Society.

Michael Parfit, "The Essential Elements of Fire." ©1996 by the National Geographic Society.

Jack Shafer, "Shut Your Loophole." ©2007 by Washingtonpost.Newsweek Interactive Co. LLC.

COMPUTING YOUR SCORE

Directions:

1. Use the Answer Key on the next page to check your answers.

2. Use the Scoring Worksheet below to compute your raw score.

3. Use the Score Conversion Chart to convert your raw score into the 120-180 scale.

Scoring Worksheet

1. Enter the number of questions you answered correctly in each section.

	Number Correct
SECTION I	_____
SECTION II	_____
SECTION III	_____
SECTION IV	_____

2. Enter the sum here: _____
This is your Raw Score.

Conversion Chart
For Converting Raw Score to the 120-180 LSAT Scaled Score
LSAT Form 5LSN113

Reported	Raw Score	
Score	Lowest	Highest
180	99	101
179	98	98
178	97	97
177	96	96
176	95	95
175	94	94
174	93	93
173	92	92
172	90	91
171	89	89
170	88	88
169	87	87
168	85	86
167	84	84
166	82	83
165	81	81
164	79	80
163	77	78
162	76	76
161	74	75
160	72	73
159	71	71
158	69	70
157	67	68
156	65	66
155	64	64
154	62	63
153	60	61
152	58	59
151	56	57
150	55	55
149	53	54
148	51	52
147	49	50
146	48	48
145	46	47
144	44	45
143	43	43
142	41	42
141	39	40
140	38	38
139	36	37
138	35	35
137	33	34
136	32	32
135	30	31
134	29	29
133	28	28
132	26	27
131	25	25
130	24	24
129	23	23
128	22	22
127	21	21
126	20	20
125	19	19
124	18	18
123	17	17
122	16	16
121	15	15
120	0	14