Section 2

Practice Questions

Time – 35 minutes

24 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 refer to the following passage:

A small local library has eight librarians—George, Gelsey, Maria, Suzanne, Bryan, Orla, Madeleine, and Wanda. These eight librarians must rotate among the five library sections. Based on the architecture of the library, these five sections are lined up in a row, and each is labeled with a letter: A, B, C, D, and E. Each library section can accommodate up to two librarians at a time, according to the following conditions:

> Section E can only have one librarian working in it at a time.
>
> Gelsey and Suzanne cannot work in the same section.
>
> If Maria is working in Section A, Bryan must be working in Section C.
>
> George and Wanda cannot work in adjoining library sections.
>
> Either Orla or Madeleine must work in Section B.

1.   Which of the following represents the best possible arrangement?

   (A)   Section A: Gelsey and Orla; Section B: Madeleine and Suzanne; Section C: Wanda; Section D: Maria and Bryan; Section E: George

   (B)   Section A: Orla and George; Section B: Suzanne and Wanda; Section C: Gelsey; Section D: Suzanne and Bryan; Section E: Madeleine

(C)   Section A: Gelsey and Maria; Section B: Suzanne and Bryan; Section C: Orla and Wanda; Section D: Madeleine; Section E: George

(D)   Section A: Maria; Section B: Orla and Madeleine; Section C: George and Gelsey; Section D: Bryan; Section E: Wanda and Suzanne

(E)   Section A: George and Bryan; Section B: Orla and Wanda; Section C: Maria; Section D: Gelsey and Suzanne; Section E: Madeleine

2.   If Maria works in Section A and Wanda works in Section E, which of the following represents the best possible arrangement?

(A)   Section A: Maria and Bryan; Section B: George and Suzanne; Section C: Orla; Section D: Madeleine and Gelsey; Section E: Wanda

(B)   Section A: Maria; Section B: Gelsey and Suzanne; Section C: Bryan and Wanda; Section D: Orla and George; Section E: Madeleine

(C)   Section A: Maria and George; Section B: Gelsey and Madeleine; Section C: Bryan; Section D: Suzanne and Orla; Section E: Wanda

(D)   Section A: Maria and Gelsey; Section B: Madeleine and Orla; Section C: Suzanne and Bryan; Section D: George; Section E: Wanda

(E)   Section A: Maria; Section B: George and Suzanne; Section C: Orla and Gelsey; Section D: Madeleine; Section E: Wanda and Bryan

3.   Which of the following must be true if Madeleine works in Section A and Bryan works in Section E?

(A)   Section A: Madeleine and Orla; Section B: Wanda; Section C: George and Suzanne; Section D: Gelsey and Suzanne; Section E: Bryan

(B)   Section A: Madeleine and George; Section B: Orla and Wanda; Section C: Maria; Section D: Gelsey; Section E: Bryan and Suzanne

(C)   Section A: Madeleine and Maria; Section B: Orla; Section C: Wanda and Gelsey; Section D: George and Suzanne; Section E: Bryan

(D)   Section A: Madeleine; Section B: Orla and Suzanne; Section C: George and Wanda; Section D: Gelsey and Maria; Section E: Bryan

(E)   Section A: Madeleine and Orla; Section B: George; Section C: Maria and Gelsey; Section D: Suzanne and Wanda; Section E: Bryan

4.   If Maria is working in Section A, Orla is working in Section B, and George is working in Section C, where is it possible for Wanda to be working?

(A)   Section A

(B)   Sections A and E

(C)   Sections B and C

(D)   Sections C and E

(E)   Sections A, C, and E

5.   If Wanda is working in Section A, Bryan is working in Section B, and Suzanne is working in Section D, where is it possible for Gelsey to be working?

(A)   Sections A, C, and E

(B)   Sections A and D

(C)   Sections A and B

(D)   Sections B, C, and E

(E)   Sections C and E

6.   Which of the following arrangements must be false?

(A)   Section A: Maria and Gelsey; Section B: Madeleine and Wanda; Section C: Bryan; Section D: Suzanne and George; Section E: Orla

(B)   Section A: George and Gelsey; Section B: Madeleine; Section C: Maria and Suzanne; Section D: Bryan and Orla; Section E: Wanda

(C)   Section A: Suzanne and Wanda; Section B: Orla and Bryan; Section C: George and Maria; Section D: Gelsey; Section E: Madeleine

(D)   Section A: George and Maria; Section B: Orla; Section C: Bryan and Suzanne; Section D: Gelsey and Wanda; Section E: Madeleine

(E)   Section A: Maria and Suzanne; Section B: Madeleine and George; Section C: Bryan and Wanda; Section D: Gelsey; Section E: Orla

Questions 7–12 refer to the following passage:

A private stable has nine stalls for the horses—labeled A, B, C, D, E, F, G, H, and I—and these stalls must be cleaned each week. Stalls A and B are cleaned on Monday; Stalls C and D are cleaned on Tuesday; Stalls E and F are cleaned on Wednesday; Stalls G and H are cleaned on Thursday; and Stall I is cleaned on Friday. The stalls must be empty on the days that they are cleaned. The stable currently houses seven highly-valued horses—Amadeus, Dragonfly, Rainbow Lady, Hyacinth, Hurricane Jack, Whispering Wind, and Cosmo Cruising—and the horses must be rotated through the stalls on cleaning days, one horse in each stall, according to the following conditions:

> Rainbow Lady must never be placed next to Hurricane Jack.
> Dragonfly must not be placed in Stall A or E on Tuesday.
> Cosmo Cruising must not be placed in Stall B or C on Wednesday.
> Hyacinth must never be placed in Stall G or I.
> Amadeus must always be in Stall B, F, or I.

7.   Which of the following represents the best possible grouping on a Tuesday, when Stalls C and D must be empty?

(A)   Stall A: Hurricane Jack; Stall B: Rainbow Lady; Stall E: Cosmo Cruising; Stall F: Dragonfly; Stall G: Hyacinth; Stall H: Amadeus; Stall I: Whispering Wind

(B)   Stall A: Rainbow Lady; Stall B: Amadeus; Stall E: Cosmo Cruising; Stall F: Hurricane Jack; Stall G: Dragonfly; Stall H: Whispering Wind; Stall I: Hyacinth

(C)   Stall A: Amadeus; Stall B: Cosmo Cruising; Stall E: Dragonfly; Stall F: Hyacinth; Stall G: Rainbow Lady; Stall H: Whispering Wind; Stall I: Hurricane Jack

(D)   Stall A: Whispering Wind; Stall B: Amadeus; Stall E: Rainbow Lady; Stall F: Cosmo Cruising; Stall G: Dragonfly; Stall H: Hyacinth; Stall I: Hurricane Jack

(E)   Stall A: Dragonfly; Stall B: Whispering Wind; Stall E: Hurricane Jack; Stall F: Rainbow Lady; Stall G: Cosmo Cruising; Stall H: Amadeus; Stall I: Hyacinth

8. Which of the following represents the best possible arrangement on a Wednesday, when Stalls E and F must be empty, if Rainbow Lady is in Stall A?

(A)   Stall A: Rainbow Lady; Stall B: Amadeus; Stall C: Cosmo Cruising; Stall D: Hyacinth; Stall G: Whispering Wind; Stall H: Hurricane Jack; Stall I: Dragonfly

(B)   Stall A: Rainbow Lady; Stall B: Hurricane Jack; Stall C: Hyacinth; Stall D: Whispering Wind; Stall G: Dragonfly; Stall H: Cosmo Cruising; Stall I: Amadeus

(C)   Stall A: Rainbow Lady; Stall B: Cosmo Cruising; Stall C: Hurricane Jack; Stall D: Whispering Wind; Stall G: Hyacinth; Stall H: Dragonfly; Stall I: Amadeus

(D)   Stall A: Rainbow Lady; Stall B: Amadeus; Stall C: Whispering Wind; Stall D: Cosmo Cruising; Stall G: Hurricane Jack; Stall H: Dragonfly; Stall I: Hyacinth

(E)   Stall A: Rainbow Lady; Stall B: Whispering Wind; Stall C: Hyacinth; Stall D: Hurricane Jack; Stall G: Cosmo Cruising; Stall H: Dragonfly; Stall I: Amadeus

9. Where is it possible for Hyacinth to be placed on a Tuesday, when Stalls C and D must be empty, if Hurricane Jack is in Stall A and Amadeus is in Stall B?

(A)   Stalls E, F, and H

(B)   Stalls E, F, and G

(C)   Stalls E and H

(D)   Stalls H and I

(E)   Stalls F and H

10.   Where is it possible for Rainbow Lady to be placed on a Thursday, when Stalls G and H must be empty, if Dragonfly is in Stall A, Hurricane Jack is in Stall E, and Amadeus is in Stall I?

(A)   Stall B

(B)   Stall F

(C)   Stalls B and C

(D)   Stalls B, C, and D

(E)   Stalls C, D, and F

11.   Which of the following represents the best possible grouping on a Friday, when Stall I must be empty, if Whispering Wind is in Stall A?

(A)   Stall A: Whispering Wind; Stall B: Amadeus; Stall C: Hyacinth; Stall D: Rainbow Lady; Stall E: Hurricane Jack; Stall F: Cosmo Cruising; Stall G: Dragonfly; Stall H: empty

(B)   Stall A: Whispering Wind; Stall B: Rainbow Lady; Stall C: empty; Stall D: Amadeus; Stall E: Dragonfly; Stall F: Cosmo Cruising; Stall G: Hyacinth; Stall H: Hurricane Jack

(C)   Stall A: Whispering Wind; Stall B: Dragonfly; Stall C: Cosmo Cruising; Stall D: Amadeus; Stall E: Hyacinth; Stall F: Hurricane Jack; Stall G: empty; Stall H: Rainbow Lady

(D)   Stall A: Whispering Wind; Stall B: Amadeus; Stall C: Rainbow Lady; Stall D: empty; Stall E: Hurricane Jack; Stall F: Hyacinth; Stall G: Dragonfly; Stall H: Cosmo Cruising

(E)   Stall A: Rainbow Lady; Stall B: Amadeus; Stall C: Dragonfly; Stall D: empty; Stall E: Hyacinth; Stall F: Hurricane Jack; Stall G: Whispering Wind; Stall H: Cosmo Cruising

12.   On a Monday, when Stalls A and B must be empty, which of the following
       arrangements must be false?
       (A)   Stall C: Dragonfly; Stall D: Hyacinth; Stall E: Rainbow Lady; Stall F:
              Whispering Wind; Stall G: Hurricane Jack; Stall H: Cosmo Cruising;
              Stall I: Amadeus
       (B)   Stall C: Hurricane Jack; Stall D: Cosmo Cruising; Stall E: Amadeus; Stall
              F: Hyacinth; Stall G: Whispering Wind; Stall H: Rainbow Lady; Stall I:
              Dragonfly
       (C)   Stall C: Rainbow Lady; Stall D: Dragonfly; Stall E: Cosmo Cruising; Stall
              F: Amadeus; Stall G: Whispering Wind; Stall H: Hyacinth; Stall I:
              Hurricane Jack
       (D)   Stall C: Cosmo Cruising; Stall D: Rainbow Lady; Stall E: Hyacinth; Stall
              F: Amadeus; Stall G: Hurricane Jack; Stall H: Whispering Wind; Stall I:
              Dragonfly
       (E)   Stall C: Whispering Wind; Stall D: Hurricane Jack; Stall E: Hyacinth;
              Stall F: Dragonfly; Stall G: Rainbow Lady; Stall H: Cosmo Cruising; Stall
              I: Amadeus

Questions 13–18 refer to the following passage:

An enthusiastic coffee drinker has decided to visit all of the local coffee shops in his
town—nine in all—that he has identified as A, B, C, D, E, F, G, H, and I. He wants to
visit all of them in one week, from Monday to Friday, and based on his schedule he
cannot visit more than two per day. His visits to the coffee shops must fall within the
following conditions:

       He must visit Shop D on Tuesday.

       He may not visit Shops A and E on the same day.

       He must visit Shop C after visiting Shop G.

       He may not visit Shop F on Friday.

       He must only visit one shop on Monday.

13.   If the man visits Shop A on Monday and Shop C on Wednesday, which of the following represents the most possible arrangement?

(A)   Monday: Shop A; Tuesday: Shop D and Shop F; Wednesday: Shop C and Shop B; Thursday: Shop G and Shop I; Friday: Shop H and Shop E

(B)   Monday: Shop A; Tuesday: Shop E and Shop G; Wednesday: Shop B and Shop C; Thursday: Shop F and Shop I; Friday: Shop H and Shop D

(C)   Monday: Shop A and Shop B; Tuesday: Shop D; Wednesday: Shop G and Shop F; Thursday: Shop H and Shop C; Friday: Shop I and Shop E

(D)   Monday: Shop A; Tuesday: Shop D and Shop G; Wednesday: Shop C and Shop F; Thursday: Shop B and Shop H; Friday: Shop I and Shop E

(E)   Monday: Shop A; Tuesday: Shop G and Shop D; Wednesday: Shop H and Shop E; Thursday: Shop I and Shop B; Friday: Shop F and Shop C

14.   Which of the following represents the most accurate arrangement of the schedule for visiting coffee shops?

(A)   Monday: Shop D and Shop H; Tuesday: Shop G and Shop A; Wednesday: Shop C and Shop E; Thursday: Shop B and Shop F; Friday: Shop I

(B)   Monday: Shop A; Tuesday: Shop D and Shop H; Wednesday: Shop I and Shop G; Thursday: Shop F and Shop E; Friday: Shop C and Shop B

(C)   Monday: Shop I and Shop E; Tuesday: Shop D and Shop A; Wednesday: Shop G and Shop H; Thursday: Shop B and Shop C; Friday: Shop F

(D)   Monday: Shop G; Tuesday: Shop B and Shop D; Wednesday: Shop C and Shop F; Thursday: Shop A and Shop E; Friday: Shop I and Shop H

(E)   Monday: Shop E; Tuesday: Shop A and Shop C; Wednesday: Shop B and Shop H; Thursday: Shop G and Shop F; Friday: Shop I

15.   If the man visits Shop F on Monday, Shop B and Thursday, and Shop C on Friday, on which days could he possibly visit Shop G?

(A)   Monday and Tuesday

(B)   Tuesday

(C)   Tuesday and Wednesday

(D)   Wednesday, Thursday, and Friday

(E)   Tuesday, Wednesday, and Thursday

16.   If the man visits Shop E on Monday, Shop A on Tuesday, and Shop G on
       Thursday, on which days could he possibly visit Shop H?

       (A)   Monday, Tuesday, and Wednesday

       (B)   Monday and Wednesday

       (C)   Wednesday, Thursday, and Friday

       (D)   Wednesday and Thursday

       (E)   Tuesday, Thursday, and Friday

17.   All of the following arrangements are possible EXCEPT:

       (A)   Monday: Shop A; Tuesday: Shop B and Shop D; Wednesday: Shop F
              and Shop G; Thursday: Shop C and Shop I; Friday: Shop H and Shop E

       (B)   Monday: Shop D; Tuesday: Shop A and Shop G; Wednesday: Shop F
              and Shop H; Thursday: Shop I and Shop E; Friday: Shop C and Shop B

       (C)   Monday: Shop G; Tuesday: Shop D and Shop C; Wednesday: Shop H
              and Shop A; Thursday: Shop F and Shop I; Friday: Shop B and Shop E

       (D)   Monday: Shop B; Tuesday: Shop D and Shop G; Wednesday: Shop I and
              Shop E; Thursday: Shop A and Shop F; Friday: Shop C and Shop H

       (E)   Monday: Shop I; Tuesday: Shop A and Shop D; Wednesday: Shop G and
              Shop H; Thursday: Shop F and Shop E; Friday: Shop C and Shop B

18.   Which of the following arrangement is most possible is the man visits Shop G
       on Tuesday, Shop F on Wednesday, and Shop E on Thursday?

       (A)   Monday: Shop I; Tuesday: Shop D and Shop G; Wednesday: Shop H and
              Shop F; Thursday: Shop E and Shop C; Friday: Shop A and Shop B

(B)   Monday: Shop B; Tuesday: Shop G and Shop D; Wednesday: Shop F and Shop C; Thursday: Shop E and Shop A; Friday: Shop H and Shop I

(C)   Monday: Shop H; Tuesday: Shop G and Shop C; Wednesday: Shop F and Shop B; Thursday: Shop E and Shop I; Friday: Shop A and Shop D

(D)   Monday: Shop A; Tuesday: Shop D and Shop G; Wednesday: Shop F; Thursday: Shop E, Shop H, and Shop B; Friday: Shop C

(E)   Monday: Shop C; Tuesday: Shop D and Shop G; Wednesday: Shop I and Shop F; Thursday: Shop E and Shop B; Friday: Shop A and Shop H

Questions 19–24 refer to the following passage:

Blythe lives in Scotland and enjoys visiting Scottish castles during her free weekends. She has targeted nine castles that she wants to visit—Airth, Blair, Dalhousie, Eilean Donan, Fingask, Glengarry, Inverlochy, Kincardine, and Lochleven—over the course of six weekends that she has set aside. In setting up her schedule, she has decided that she must group her visits as follows: Airth by itself, Blair and Fingask together, Dalhousie by itself, Eilean Donan and Lochleven together, Glengarry and Inverlochy together, and Kincardine by itself. In addition, she must arrange her schedule according to the following conditions:

She cannot visit Airth on Weekend 1.

She must visit Dalhousie after she visits Lochleven.

If she visits Blair and Fingask on Weekend 1, she must visit Glengarry and Inverlochy on Weekend 4.

She must visit Kincardine before she visits Airth.

She must visit Eilean Donan before or on Weekend 3.

19.   Which of the following represents the best possible schedule for Blythe?

(A)   Weekend 1: Blair and Fingask; Weekend 2: Kincardine; Weekend 3: Eilean Donan and Lochleven; Weekend 4: Glengarry and Inverlochy; Weekend 5: Dalhousie; Weekend 6: Airth

(B)   Weekend 1: Kincardine; Weekend 2: Inverlochy; Weekend 3: Eilean Donan and Lochleven; Weekend 4: Airth and Dalhousie; Weekend 5: Glengarry and Blair; Weekend 6: Fingask

(C)   Weekend 1: Airth; Weekend 2: Glengarry and Inverlochy; Weekend 3: Eilean Donan and Lochleven; Weekend 4: Dalhousie; Weekend 5: Kincardine; Weekend 6: Blair and Fingask

(D)   Weekend 1: Blair and Fingask; Weekend 2: Kincardine; Weekend 3: Airth; Weekend 4: Eilean Donan and Lochleven; Weekend 5: Glengarry and Inverlochy; Weekend 6: Dalhousie

(E)   Weekend 1: Eilean Donan and Lochleven; Weekend 2: Airth; Weekend 3: Dalhousie; Weekend 4: Blair and Fingask; Weekend 5: Glengarry and Inverlochy; Weekend 6: Kincardine

20.   All of the following schedules are possible EXCEPT:

(A)   Weekend 1: Kincardine; Weekend 2: Blair and Fingask; Weekend 3: Eilean Donan and Lochleven; Weekend 4: Airth; Weekend 5: Glengarry and Inverlochy; Weekend 6: Dalhousie

(B)   Weekend 1: Glengarry and Inverlochy; Weekend 2: Kincardine; Weekend 3: Airth; Weekend 4: Eilean Donan and Lochleven; Weekend 5: Blair and Fingask; Weekend 6: Dalhousie

(C)   Weekend 1: Blair and Fingask; Weekend 2: Eilean Donan and Lochleven; Weekend 3: Dalhousie; Weekend 4: Glengarry and Inverlochy; Weekend 5: Kincardine; Weekend 6: Airth

(D)   Weekend 1: Eilean Donan and Lochleven; Weekend 2: Blair and Fingask; Weekend 3: Glengarry and Inverlochy; Weekend 4: Kincardine; Weekend 5: Airth; Weekend 6: Dalhousie

(E)   Weekend 1: Blair and Fingask; Weekend 2: Eilean Donan and Lochleven; Weekend 3: Kincardine; Weekend 4: Glengarry and Inverlochy; Weekend 5: Dalhousie; Weekend 6: Airth

21.   If Blythe visits Glengarry on Weekend 2, Fingask on Weekend 3, and
       Dalhousie on Weekend 4, on which weekends could she visit Airth?
       (A)   Weekend 2
       (B)   Weekend 2 and Weekend 3
       (C)   Weekend 4 and Weekend 6
       (D)   Weekend 5
       (E)   Weekend 6

22.   If Blythe visits Kincardine on Weekend 1, Lochleven on Weekend 3, and Airth
       on Weekend 4, on which weekends could she visit Inverlochy?
       (A)   Weekend 1, Weekend 2, and Weekend 5
       (B)   Weekend 2
       (C)   Weekend 2 and Weekend 5
       (D)   Weekend 2, Weekend 5, and Weekend 6
       (E)   Weekend 5 and Weekend 6

23.   If Blythe visits Blair on Weekend 2, which of the following represents the
       best possible schedule?
       (A)   Weekend 1: Kincardine and Fingask; Weekend 2: Blair; Weekend 3:
              Eilean Donan and Lochleven; Weekend 4: Glengarry and Inverlochy;
              Weekend 5: Dalhousie; Weekend 6: Airth
       (B)   Weekend 1: Airth; Weekend 2: Blair and Fingask; Weekend 3: Eilean
              Donan and Lochleven; Weekend 4: Dalhousie; Weekend 5: Kincardine;
              Weekend 6: Glengarry and Inverlochy
       (C)   Weekend 1: Eilean Donan and Lochleven; Weekend 2: Blair and
              Fingask; Weekend 3: Dalhousie; Weekend 4: Kincardine; Weekend 5:
              Airth; Weekend 6: Glengarry and Inverlochy
       (D)   Weekend 1: Blair and Fingask; Weekend 2: Eilean Donan and
              Lochleven; Weekend 3: Dalhousie; Weekend 4: Glengarry and
              Inverlochy; Weekend 5: Kincardine; Weekend 6: Airth

(E)   Weekend 1: Glengarry and Inverlochy; Weekend 2: Blair and Fingask;

Weekend 3: Kincardine; Weekend 4: Eilean Donan and Lochleven;

Weekend 5: Airth; Weekend 6: Dalhousie

24.   If Blythe visits Airth on Weekend 2, on which weekends could she visit
        Dalhousie?

(A)   Weekend 1 and Weekend 4

(B)   Weekend 1 and Weekend 3

(C)   Weekend 3, Weekend 4, and Weekend 5

(D)   Weekend 4 and Weekend 6

(E)   Weekend 4, Weekend 5, and Weekend 6

Answer Key

1. A	8. E	15. E	22. D
2. C	9. A	16. C	23. C
3. D	10. C	17. B	24. E
4. B	11. D	18. A	
5. A	12. B	19. A	
6. E	13. D	20. B	
7. D	14. B	21. E	

Answer Explanations

Questions 1-6

The set-up: This group of questions is about the arrangements of librarians in the sections of a small library. The set-up explains that the library has five sections among which eight librarians must work—George, Gelsey, Maria, Suzanne, Bryan, Orla, Madeleine, and Wanda. The set-up notes that the library sections are labeled A, B, C, D, and E and are lined up in a row, due to the architectural design of the library. The explanation about the section labels and the architecture becomes significant because of condition four, which states that George and Wanda cannot work in adjoining library sections. This means, obviously, that if George is in Section B, Wanda cannot be in Section A or Section C. The student should note that this does *not* preclude George and Wanda from working in the *same* section.

As for the other conditions, the first states that Section E can only have one librarian working in it at a time, meaning that the other seven librarians will have to be arranged among the other four sections. The second condition discusses the location of Gelsey and Suzanne: they cannot work in the same section at the same time. (This

condition does *not* address adjoining sections, however, so the student may assume that Gelsey and Suzanne are able to work in adjoining sections.) The third condition notes that *if* Maria is working in Section A, then Bryan *must be* working in Section C. The student should note that there are no conditions applicable if Maria is not working in Section A; but the student should observe that the reverse of condition three *does* apply: if Bryan is working in Section C, then Maria must, by default, be working in Section A. Condition four has already been addressed, and condition five explains that *either* Orla *or* Madeleine *must be* working in Section B in any arrangement. Finally, the student should note that each section (except for Section E) may have *up to two librarians* working in it at one time—but no more than two.

Question 1

Overview: The first question asks the student to identify which of the five answer choices offers the *best possible* arrangement. In considering the answer choices, the first thing that the student needs to look for is answer choices that violate any of the five conditions. A violation eliminates an answer choice immediately, so the student needs to do a quick scan of the answer choices to identify if any of them violate conditions.

The Correct Answer:

A   Answer choice (A) is the only answer choice that does not violate any of the established conditions. Gelsey and Orla are working in Section A, thus fulfilling condition two. Madeleine and Suzanne are working in Section B and fulfilling the condition that requires either Madeleine or Orla to work in Section B. Wanda is working by herself in Section C, with one section between her and George, who is in Section E. This fulfills both condition four and condition five. And Maria and Bryan are working together in Section D. Because Maria is not in Section A and Bryan is not in Section C, this arrangement is perfectly acceptable: there is nothing in the conditions to

state that Maria and Bryan cannot work together, as long as one of them is not in one of the required sections. Answer choice (A) is thus correct.

The Incorrect Answers:

B   Answer choice (B) violates condition four (with George and Wanda in adjoining sections) and condition five (with neither Orla nor Madeleine working in Section B), so it may be eliminated at once. Answer choice (B) cannot be correct.

C   Answer choice (C) cannot be correct, because it violates condition three (with Maria in Section A but Bryan in Section B) and condition five (with neither Orla nor Madeleine in Section B). Answer choice (C) may be eliminated at once.

D   Answer choice (D) is incorrect, because it violates condition one (with two librarians working in Section E) and condition three (with Maria in Section A but Bryan in Section D). Answer choice (D) may also be eliminated at once.

E   Answer choice (E) violates condition two (with Gelsey and Suzanne working in the same section). Answer choice (E), therefore, cannot be correct.

Question 2

Overview: Question 2 asks the student to identify the best possible arrangement if Maria works in Section A and Wanda works in Section E. From this information alone, the student will immediately know that four of the conditions apply: Maria is in Section A, so Bryan *must be* in Section C (condition three); Wanda is in Section E, so George *cannot* be in Section D or in Section E (condition one and condition four); either Orla or Madeleine *must be* in Section B. A quickly-drawn diagram might be helpful:

Section A	Section B	Section C	Section D	Section E
Maria	Orla <u>or</u> Madeleine	Bryan	(<u>Not</u> George)	Wanda

The correct answer choice will offer this basic set-up and also place Gelsey and Suzanne in sections that are not adjoining.

The Correct Answer:

C   Answer choice (C) is the only answer choice that follows the arrangement shown in the diagram above and does not violate any other condition. George is placed in Section A with Maria and not next to Wanda. Gelsey accompanies Madeleine in Section B, and Suzanne is working with Orla in Section D. Answer choice (C), therefore, is correct.

The Incorrect Answers:

A   Answer choice (A) violates the arrangement shown in the diagram above by placing Bryan in Section A with Maria and not in Section C, where he must be according to condition three. Additionally, this answer choice violates condition five by placing George and Suzanne in Section B but not either Madeleine or Orla. As a result, answer choice (A) may be eliminated at once.

B   Answer choice (B) violates condition four by placing George in Section D, and it also violates condition two and condition five by placing Gelsey and Suzanne in Section B together (but without either Orla or Madeleine). What is more, answer choice (B) completely ignores the statement that Wanda is working in Section E, so it must be eliminated at once as an insufficient arrangement.

D   Answer choice (D) violates condition four by placing George in Section D next to Wanda, so it is clearly incorrect and may be eliminated immediately.

E   Answer choice (E) violates condition one (with two librarians in Section E), condition three (with Bryan in Section E instead of Section C), and condition five (with neither Orla nor Madeleine in Section B). Answer choice (E), therefore, is incorrect and may be eliminated immediately.

Question 3

Overview: Question 3 presents an arrangement in which Madeleine is working in Section A and Bryan is working in Section E. From this, the student knows immediately that condition five applies: if Madeleine is working in Section A, then Orla must be working in Section B. Additionally, condition one applies in that Bryan alone will be working in Section E, so the other librarians must be working in other sections; and condition three applies in that Maria cannot be working in Section A. The correct answer choice will reflect this. For assistance in reviewing the answer choices, the diagram below indicates where Madeleine, Orla, and Bryan will be working.

Section A	**Section B**	**Section C**	**Section D**	**Section E**
Madeleine (<u>not</u> with Maria)	Orla			Bryan

<u>The Correct Answer</u>:

D   Answer choice (D) is correct, because it follows the arrangement shown in the diagram above while also organizing the other librarians without violating any conditions. Suzanne is working with Orla in Section B; George and Wanda are working together in Section C; Gelsey and Maria are working in Section D.

<u>The Incorrect Answers</u>:

A   Answer choice (A) violates condition two (with Gelsey and Suzanne working together in Section D) and condition five (with Orla not working in Section B). Answer choice (A) is thus incorrect and may be eliminated immediately.

B   Answer choice (B) violates the first condition (with Suzanne also working in Section E with Bryan) and the fourth condition (with George and Wanda working in adjoining sections). Answer choice (B) is incorrect and may be eliminated.

C   Answer choice (C) places Maria in Section A with Madeleine. This causes a violation of condition three since Bryan is not working in Section C (according to the explanation in the question). Answer choice (C) is incorrect.

E Answer choice (E) violates condition five with George alone working in Section B but not with Orla (who is working in Section A with Madeleine). Because Madeleine is established to be working in Section A, Orla *must be* working in Section B according to the condition, so answer choice (E) is clearly incorrect. It may be eliminated.

Question 4

Overview: In question 4, the student must identify all of the sections in which Wanda might be working if Maria is working in Section A, Orla is working in Section B, and George is working in Section C. From this set-up alone, the student knows that Bryan will be working with George in Section C (due to condition three), and that Wanda *cannot* be working in Section B or in Section E (due to condition four— no sections adjoining with George's section). From this, the student may briefly construct a diagram to see the options for Wanda:

Section A	**Section B**	**Section C**	**Section D**	**Section E**
Maria	Orla (<u>not</u> with Wanda)	George and Bryan	(<u>Not</u> Wanda)	

This indicates that Wanda may be working in Section A or in Section E, but no other sections are open to her. The student does not know where Gelsey, Suzanne, and Madeleine are working, but that is unimportant. There are still enough sections available for the other librarians to be arranged, and it is possible to place Wanda in either Section A or in Section E without violating any conditions. To indicate this hypothetically, if Wanda works in Section A with Maria, Gelsey (or Suzanne) could work in Section B with Orla, Suzanne (or Gelsey) could work in Section D and Madeleine could work in Section E. If Wanda works alone in Section E, Suzanne (or Gelsey) could work in Section A with Maria, Gelsey (or Suzanne) could work in Section B with Orla, and Madeleine could work alone in Section D. It is also possible to leave Orla working alone in Section B and still locate the other librarians without violating conditions. The point of all this is to indicate that the student does *not* need to spend much time worrying about where the other librarians are located unless it

is clear that there are not enough sections available to locate them without violating conditions. The question is not asking for the single section in which Wanda is working, but rather where Wanda *might* be working without violating any conditions.

The Correct Answer:

B Answer choice (B) reflects correctly that Wanda may work in either Section A or Section E, as shown in the Overview above. Answer choice (B), therefore, is correct.

The Incorrect Answers:

A Answer choice (A) is incorrect, because it does not provide *all* of the sections in which Wanda might be working. It is definitely possible for Wanda to be working in Section A. It is also possible for Wanda to be working in Section E, however, and answer choice (A) fails to offer this option.

C Due to conditions three and four, it is not possible for Wanda to be working in Section B (adjoining the section with George) or in Section C (because Bryan must be working there, due to Maria's location in Section A). Answer choice (C), therefore, is incorrect.

D Although it is possible for Wanda to be working in Section E, it is *not* possible for Wanda to work in Section C, because Bryan *must be* working there with George. Answer choice (D) is thus incorrect and may be eliminated.

E Answer choice (E) correctly reflects that Wanda may be working in Section A or Section E, but it also includes Section C as an option. which has been repeatedly shown to be incorrect. Answer choice (E), therefore, cannot be correct.

Question 5

Overview: In question 5, the student is again asked to consider where one of the librarians *might be* working if others are in certain sections. In this case, Wanda is

working in Section A, Bryan is working in Section B, and Suzanne is working in Section D. From this, the student knows that several conditions apply. Maria will *not* be working in Section A (due to condition three), and George will *not* be working in Section B (due to condition four). Because Bryan is already in Section B, however, this means that either Orla or Madeleine *must* be working there with Bryan; so, the student knows that Gelsey *cannot* be working there. According to condition two, Gelsey cannot work with Suzanne, so she *will not* be working in Section D. This leaves the following set-up, as shown in a quick diagram:

Section A	Section B	Section C	Section D	Section E
Wanda	Bryan (with Orla or Madeleine)		Suzanne (not with Gelsey)	

Once again, it is not important to know exactly where the other librarians are located, as long as no other conditions will be violated. The student should be able to see from this that it is possible to locate Gelsey in Section A, Section C, or Section E without interfering with other conditions, so the correct answer choice will reflect this.

The Correct Answer:

A Answer choice (A) accurately reflects the diagram indicated above, with the potential for Gelsey to be working in Section A, Section C, or Section E. Answer choice (A), then, is correct.

The Incorrect Answers:

B It is possible for Gelsey to be working in Section A, but it is *not* possible for her to be working in Section D with Suzanne (due to condition two), so answer choice (B) must be incorrect.

C Again, it is possible for Gelsey to be working in Section A, but because Bryan is already in Section B, Orla or Madeleine must also be in Section B with him. No section can have more than two librarians working in it at one time, so it

is not possible for Gelsey to be in Section B. Answer choice (C) is thus incorrect.

D   While Gelsey would be able to work in Section C and Section D, she cannot work in Section B, so answer choice (D) is incorrect.

E   Answer choice (E) is partially correct, but it is incomplete. Since it does not provide *all* of the sections in which Gelsey could be working, it is not the correct answer. Answer choice (E) may be eliminated.

Question 6

Overview: Question 6 asks the student to identify which of the answer choices is *not* correct. This type of question is slightly more tedious than the reverse (locating which answer choice *must be* correct among answer choices with violated conditions), because the student must consider the correctness of each answer choice and locate the one that has some kind of violated condition). If the student has a considerable amount of extra time, it might be a good idea to create a diagram for each. If not, the student should scan each answer choice quickly to see if any of them has a clear violation of one of the conditions. By this point, the student should have come to know the conditions fairly well, so it should not be difficult to spot the glaring violation.

The Correct Answer:

E   Answer choice (E) is correct, because it is the only answer choice that violates one of the conditions—condition four—by placing George and Wanda in adjoining sections. Answer choice (E), therefore, is correct.

The Incorrect Answers:

A, B, C, D   These answer choices are all incorrect, because none of them violates any of the established conditions. To see the arrangements more clearly:

(A)

Section A	Section B	Section C	Section D	Section E
Maria and Gelsey	Madeleine and Wanda	Bryan	Suzanne and George	Orla

(B)

Section A	Section B	Section C	Section D	Section E
George and Gelsey	Madeleine	Maria and Suzanne	Bryan and Orla	Wanda

(C)

Section A	Section B	Section C	Section D	Section E
Suzanne and Wanda	Orla and Bryan	George and Maria	Gelsey	Madeleine

(D)

Section A	Section B	Section C	Section D	Section E
George and Maria	Orla	Bryan and Suzanne	Gelsey and Wanda	Madeleine

Again, it is not necessary for the student to draw out the diagrams for each, unless the student is having trouble spotting the correct answer without them.

Questions 7-12

The set-up: The second group of questions, seven through twelve, presents a scenario in which a private stable contains nine stalls in total (labeled A, B, C, D, E, F, G, H, and I) and houses seven horses—Amadeus, Dragonfly, Rainbow Lady, Hyacinth, Hurricane Jack, Whispering Wind, and Cosmo Cruising. The stable has an ongoing cleaning schedule for the stalls: Stall A and Stall B are cleaned on Monday, Stall C and Stall D on Tuesday, Stall E and Stall F on Wednesday, Stall G and Stall H on Thursday, and Stall I on Friday. The initial set-up does not contain information

about Saturday and Sunday, so the student may assume that the questions will focus only on Monday, Tuesday, Wednesday, Thursday, and Friday.

The scenario explains that when the stalls are cleaned, the horses must be moved around, and there are several conditions that must be followed. The first condition states that Rainbow Lady must *never* be in a stall next to Hurricane Jack. The second condition says that Dragonfly *must not* be in *either* Stall A *or* Stall E on Tuesday. Condition three states that Cosmo Cruising *must not* be in *either* Stall B *or* Stall C on Wednesday, and condition four states that Hyacinth *must never* be in Stall G or Stall I. The fifth condition says that Amadeus *must always* be in Stall B, Stall F, or Stall I.

In selecting the correct answer choices, the student must keep these conditions in mind, as well as the day of the week that is identified in the question. If the question asks about an arrangement of horses in stalls for a Monday, the student knows immediately that Stall A and Stall B *must be empty*. Likewise for Stall C and Stall D on Tuesday, and so forth. As a result, the answer choices do not contain the stalls that will be empty on their cleaning days, so there is no point for the student even to focus on these stalls.

Question 7

Overview: Question 1 asks the student to identify the best arrangement on a Tuesday. Stall C and Stall D are empty on Tuesday, so they may be eliminated from consideration altogether. Based on the conditions, the student knows elements of the arrangement already. Based on condition two, Dragonfly *must not* be in *either* Stall A *or* Stall E, because it is Tuesday. Based on condition four, Hyacinth *must not* be in *either* Stall G *or* Stall I, and based on condition five Amadeus *must* be in Stall B, Stall, F, or Stall I. None of these stalls that have been mentioned are empty for cleaning on Tuesday, so there is a considerable amount of flexibility in where the horses might be located. To select the correct answer, however, the student should first scan the answer choices for conditions that are violated.

The Correct Answer:

D   Answer choice (D) is the only answer choice that does not violate any of the established conditions by providing the following set-up:

Stall A	**Stall B**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Whispering Wind	Amadeus	Rainbow Lady	Cosmo Cruising	Dragonfly	Hyacinth	Hurricane Jack

Answer choice (D) is thus correct. (Please note that the student does not necessarily need to draw a diagram for this question. It is provided here merely as a visual.)

The Incorrect Answers:

A   Answer choice (A) violates condition one by placing Rainbow Lady in Stall B next to Hurricane Jack in Stall A. Answer choice (A), therefore, is incorrect and may be eliminated immediately.

B   Answer choice (B) violates condition four by placing Hyacinth in Stall I, so answer choice (B) is incorrect and may be eliminated.

C   Answer choice (C) is incorrect, because it violates condition two (by placing Dragonfly in Stall E on a Tuesday) and condition five (by placing Amadeus in Stall A and not in Stalls B, F, or I). Answer choice (C), therefore, may be eliminated immediately.

E   Answer choice (E) is incorrect, because it violates condition four (by placing Hyacinth in Stall I) and condition five (by placing Amadeus in Stall H and not in Stalls B, F, or I). Answer choice (E), then, may be eliminated.

Question 8

Overview: Question 8 asks the student to select the answer choice with the best grouping on a Wednesday with Rainbow Lady in Stall A. First of all, it's important to realize that Stalls E and F must remain empty for cleaning. Next, the student must

determine which conditions apply in this instance. Although condition two, pertaining to Tuesdays, may be eliminated, all of the others are obviously applicable. According to condition one, Hurricane Jack cannot be in a stall next to Rainbow Lady, so he *must not* be in Stall B. In addition, condition two states that Cosmo Cruising *must not* be in Stall B or Stall C on a Wednesday, so he, too, should be eliminated from those locations. Again, conditions four and five apply (concerning the location of Hyacinth and Amadeus), so the student needs to consider the possibility for those conditions being violated in answer choices.

The Correct Answer:

E   Answer choice (E) is the only answer choice that does not violate any of the established conditions, providing the following arrangement:

Stall A	Stall B	Stall C	Stall D	Stall G	Stall H	Stall I
Rainbow Lady	Whispering Wind	Hyacinth	Hurricane Jack	Cosmo Cruising	Dragonfly	Amadeus

      Answer choice (E), then, is the correct answer. Again, it is not necessary for the student to draw a diagram for this question. It is provided only as a visual.

The Incorrect Answers:

A   Answer choice (A) violates condition three by placing Cosmo Cruising in Stall C on a Wednesday. Answer choice (A), then, is incorrect and may be eliminated.

B   Answer choice (B) violates condition one by placing Hurricane Jack in Stall B next to Rainbow Lady, so answer choice (B) is incorrect and may be eliminated.

C   Answer choice (C) violates condition three (by placing Cosmo Cruising in Stall B on a Wednesday) and condition four (by placing Hyacinth in Stall G). Answer choice (C) must be incorrect, so it may be eliminated.

D   Answer choice (D) violates condition four by placing Hyacinth in Stall I, so it, too, is incorrect and should be eliminated.

Question 9

Overview: In question 9, the student is asked to identify the stalls in which Hyacinth could be placed on a Tuesday (with Stall C and Stall D empty for cleaning), if Hurricane Jack is in Stall A and Amadeus is in Stall B. From this information, the student knows that Stalls G and I are automatically eliminated as options, and any answer choices containing these may also be eliminated. (Note: This removes answer choices (B) and (D) from the start.) As for the other horses, the student does not necessarily know where they are located, but the only other condition to apply immediately is condition two, stating that Dragonfly *must not* be in Stall E on a Tuesday. That opens up Stall E for Hyacinth, and the chart below should indicate which stalls remain open as options for Hyacinth.

Stall A	**Stall B**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Hurricane Jack	Amadeus	(Not Dragonfly)		(Not Hyacinth)		(Not Hyacinth)

The Correct Answer:

A   As indicated in the chart above, Hyacinth could conceivably be placed in Stall E, Stall F, or Stall H, and answer choice (A) provides all three as options. Answer choice (A), therefore, is correct.

The Incorrect Answers:

B, D   As noted in the Overview above, answer choices (B) and (D) must be eliminated, because they contain stalls in which Hyacinth *must never* be placed—Stall G and Stall I. As a result, both of these answer choices should be eliminated at once.

C, E   Answer choices (C) and (E) fail to provide *all* of the stalls in which Hyacinth could be placed. As the chart demonstrates, it would be possible for Hyacinth

to be in Stall E, Stall F, *and* Stall G. Since answer choices (C) and (E) offer only two of the three options, they both must be eliminated.

Question 10

Overview: As in question 9, question 10 asks for the stalls in which one of the horses could be placed on a certain day, if other horses are located as indicated. In question 10, the student must identify where Rainbow Lady could be placed on a Thursday (with Stall G and Stall H empty for cleaning) if Dragonfly is in Stall A, Hurricane Jack is in Stall E, and Amadeus is in Stall I. Immediate conditions apply. Because Hurricane Jack is in Stall E, Rainbow Lady *must not* be in Stall D or Stall F (due to the first condition). As a result, any answer choices that contain either of these options may be eliminated immediately. Stall G is empty for cleaning, and Stall I contains Amadeus, so condition four is not applicable in this case; nor are conditions two and three, since question 10 discusses Thursday and not Tuesday or Wednesday. This suggests a possible degree of flexibility in placing Rainbow Lady, but the student should draw a quick chart to be sure. The following chart indicates the options:

Stall A	**Stall B**	**Stall C**	**Stall D**	**Stall E**	**Stall F**	**Stall I**
Dragonfly			(Not Rainbow Lady)	Hurricane Jack	(Not Rainbow Lady)	Amadeus

The correct answer choice should reflect the chart.

The Correct Answer:

C   As shown in the chart above, answer choice (C) correctly reflects the open stalls in which Rainbow Lady could be placed, Stall B and Stall C. Answer choice (C), therefore, is the correct answer.

The Incorrect Answers:

A Answer choice (A) fails from being partially correct but not containing *all* of the possible stalls in which Rainbow Lady could be located. Answer choice (A) is incorrect.

B, D, E Each of these answer choices contains a stall in which Rainbow Lady *must not* be located due to the first condition (i.e., not in Stall D or Stall F because of Hurricane Jack's location). As a result, all three of these answer choices may be eliminated immediately.

Question 11

Overview: Question 11 asks the student to identify the best possible arrangement for all of the horses on a Friday (when Stall I is empty for cleaning) if Whispering Wind is located in Stall A. The first thing that the student needs to note is that if Stall I is empty for cleaning, there will also be another stall that is empty: there are nine stalls in total and only seven horses, so one of the stalls that is *not* being cleaned will also be empty. The answer choices indicate this. According to the conditions that apply on a Friday, Rainbow Lady *must not* be in a stall next to Hurricane Jack (condition one), Hyacinth *must not* be in Stall G, and Amadeus *must* be in Stall B or Stall F. To select the correct answer choice, the student must review the options and look carefully for any conditions that are violated.

The Correct Answer:

D Answer choice (D) is correct, because it offers an arrangement that places Whispering Wind in Stall A (according to the set-up in the question) and does not violate any of the conditions. The student should note that in answer choice (D), Stall D is left empty with Rainbow Lady in Stall C and Hurricane Jack in Stall F. This is an acceptable arrangement; while there is not a horse between the two, there is still an empty stall, so they are not in adjoining stalls.

The Incorrect Answers:

A   Answer choice (A) violates the first condition by placing Rainbow Lady in Stall D next to Hurricane Jack in Stall E. Answer choice (A), then, may be eliminated.

B   Answer choice (B) is incorrect, because it places Hyacinth in Stall G and thus violates the fourth condition. Answer choice (B) should be eliminated.

C   Answer choice (C) is incorrect, because it violates condition five by placing Amadeus in Stall D and not in Stall B or F as required. Answer choice (C) may be eliminated.

E   Answer choice (E) does not violate any of the established conditions, but it does ignore the stipulation in the question that Whispering Wind be located in Stall A. As a result, answer choice (E) cannot be correct, so it should be eliminated.

Question 12

Overview: Question 12 asks the student to locate the answer choice that *must be false* on a Monday (with Stall A and Stall B empty for cleaning). No requirements are noted for where certain horses must be located, so the student must focus instead on identifying the answer choice that is incorrect—most likely because of violating a condition. As with question 6, the best way to approach this is to scan each answer choice quickly to see if any violated conditions stand out. If nothing shows up immediately, the student should consider quickly drawing charts.

The Correct Answer:

B   Answer choice (B) is the only answer choice to contain a violated condition: Amadeus is placed in Stall E and not in Stall B, Stall F, or Stall I, as noted by condition five. As a result, answer choice (B) is correct.

The Incorrect Answers:

A, C, D, E   These answer choices are all incorrect, because none of them violates any of the established conditions. The following charts indicate the arrangements:

(A)

Stall C	**Stall D**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Dragonfly	Hyacinth	Rainbow Lady	Whispering Wind	Hurricane Jack	Cosmo Cruising	Amadeus

(C)

Stall C	**Stall D**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Rainbow Lady	Dragonfly	Cosmo Cruising	Amadeus	Whispering Wind	Hyacinth	Hurricane Jack

(D)

Stall C	**Stall D**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Cosmo Cruising	Rainbow Lady	Hyacinth	Amadeus	Hurricane Jack	Whispering Wind	Dragonfly

(E)

Stall C	**Stall D**	**Stall E**	**Stall F**	**Stall G**	**Stall H**	**Stall I**
Whispering Wind	Hurricane Jack	Hyacinth	Dragonfly	Rainbow Lady	Cosmo Cruising	Amadeus

Questions 13-18

The set-up: The third group of questions, thirteen through eighteen, describes a scenario in which a coffee drinker has decided to visit the nine coffee shops (identified A, B, C, D, E, F, G, H, and I) in his town in the course of one week—Monday through Friday. The set-up notes that he cannot visit more than two coffee shops per day, and the situation is subject to five conditions. The first condition notes that the man *must* visit Shop D on Tuesday. The second condition states that

he *must not* visit Shop A and Shop E on the same day. According to the third condition, the man must visit Shop C *after* visiting Shop G.

This should indicate to the student immediately that the letters assigned to the nine coffee shops *do not in any way* determine the order in which the shops will or must be visited. The letters are simply a convenience for identifying the shops, and the student should take care not to get caught up in organizing the shops from A to I during the week, and instead focus on the conditions and the way in which the conditions might affect the man's schedule in visiting the shops. Condition four requires that the man *not* visit Shop F on Friday, and condition five states that he may only visit one shop on Monday. Because there are nine shops and five days, this will not create a conflict with the requirement that he not visit more than two shops per day.

Question 13

Overview: Question 13 asks for the best possible arrangement if the coffee drinker visits Shop A on Monday and Shop C on Wednesday. Right away, three of the conditions apply. If the man visits Shop A on Monday, he will not be able to visit any other shops on Monday (due to condition five). Additionally, condition two applies by default—the man may not visit Shop E on the same day as he visits Shop A—but since he is visiting Shop A on Monday, he would not be able to visit Shop E in any event, due to condition five. What is more, condition three also applies to this question. The man *must* visit Shop G before visiting Shop C; because he is visiting Shop C on Wednesday, and because there can be no other shops visited on Monday, he must be visiting Shop G on Tuesday. The correct answer choice will contain this arrangement, and any answer choices that do not are automatically incorrect. Because the man must also visit Shop D on Tuesday due to condition one, the correct answer choice will contain *both* Shop G *and* Shop D on Tuesday. This should assist the student in narrowing the answer choices fairly quickly.

D   Answer choice (D) is the only answer choice to offer an arrangement that
          does not violate any of the conditions. The man is visiting Shop D and Shop G
          on Tuesday, and he is visiting shops on the other days in an order that meets
          the established criteria. Answer choice (D), therefore, is correct.

The Incorrect Answers:

A   Answer choice (A) violates condition three by having the coffee drinker visit
          Shop G on Thursday *after* he has visited Shop C on Wednesday, so it cannot
          be correct. Answer choice (A) may be eliminated immediately.

B   Answer choice (B) violates the first condition by having the coffee drinker
          visit Shop D on Friday, when the condition clearly states that the man *must*
          visit Shop D on Tuesday. Answer choice (B) may also be eliminated.

C   Answer choice (C) violates the fifth condition by having the man visit two
          shops on Monday. What is more, answer choice (C) also ignores the
          statement about the man visiting Shop C on Wednesday, so it cannot be
          correct.

E   Answer choice (E) violates condition four by having the man visit Shop F on
          Friday and, like answer choice (C), also ignores the requirement in the
          question that he visit Shop C on Wednesday. Answer choice (E) may be
          eliminated.

Question 14

Overview: In question 14, the student is asked to select the most accurate
arrangement, with no extra information about which shops will be visited on certain
days. As a result, the student needs to look for any violated conditions, because it is
likely that these will determine whether or not an answer choice may be correct.

The Correct Answer:

B   Answer choice (B) is the only answer choice that does not violate any of the established conditions in providing a schedule for the coffee drinker to visit the nine coffee shops, so it is correct.

The Incorrect Answers:

A   Answer choice (A) violates the first condition by placing Shop D on Monday instead of on Tuesday, as required. This means that answer choice (A) is automatically incorrect and may be eliminated immediately.

C   Answer choice (C) has the man visiting Shop F on Friday (thus violating condition four) and has the man visiting Shop I and Shop E on Monday (thus violating condition five). Answer choice (C) is thus incorrect and may be eliminated immediately.

D   Answer choice (D) has the coffee drinker visiting Shop A and Shop E on Thursday, thus violating condition two. Answer choice (D) cannot be correct and may be eliminated.

E   Answer choice (E) has the man visiting Shop C on Tuesday and Shop G on Thursday (a violating of condition three). Additionally, answer choice (E) does *not* have the man visiting Shop D on Tuesday, as required of condition one, so it is incorrect.

Question 15

Overview: In question 15, the student is asked to identify the days on which the coffee drinker could visit Shop G if he visits Shop F on Monday, Shop B on Thursday, and Shop C on Friday. From this set-up, the student knows that certain conditions must apply right away. According to the fifth condition, the man will *only* be visiting Shop F on Monday. Additionally, the third condition states that the many *must* visit Shop C after visiting Shop G. Because he is visiting Shop C on Friday, though, there is some flexibility in having the coffee drinker visiting Shop G on the other days (except Monday). A chart might be useful if the student is having a difficult time visualizing a possible arrangement for Shop G, but the student does not necessarily

need to worry about making a chart. In this question, the requirements of the conditions narrow the options down rather quickly and easily, so the student should be able to see quickly that Tuesday, Wednesday, and Thursday are all correct options for when the coffee drinker could visit Shop G.

The Correct Answer:

E   Answer choice (E) correctly identifies that it is possible for the coffee drinker to visit Shop G on Tuesday, Wednesday, or Thursday. In case the student needs a chart, the following provides a clear visual:

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop F (Not Shop G)	Shop D			Shop C (Not Shop G)

The Incorrect Answers:

A   Answer choice (A) has the man visiting Shop G on Tuesday alongside Shop D, which is acceptable, but it also has the man visiting Shop G on Monday, which clearly violates condition five (only one shop on Monday). Answer choice (A), then, cannot be correct.

B, C   Answer choices (B) and (C) offer partially correct answers—Shop G on Tuesday or on both Tuesday and Wednesday—but neither has all three possibilities of Tuesday, Wednesday, and Thursday. Both answer choices (B) and (C), therefore, must be incorrect and may be eliminated immediately.

D   Answer choice (D) offers both Wednesday and Thursday as options for visiting Shop G, but it also includes Friday, which must be incorrect due to the fact that the man is visiting Shop C on Friday. Answer choice (D) is incorrect and may be eliminated.

Question 16

Overview: Question 16 asks the student to identify the days on which the coffee drinker could visit Shop H if he visits Shop E on Monday, Shop A on Tuesday, and Shop G on Thursday. The student should note immediately that if the man is visiting Shop E on Monday, he cannot visit any other shops on Monday (due to condition five).

Additionally, if the man is visiting Shop A on Tuesday, he must also be visiting Shop D on Tuesday (due to condition one). As a result, Monday and Tuesday must immediately removed as options for days that the man can visit Shop H. Condition three states that the man must visit Shop C after he visits Shop G, so he will automatically visit Shop C on Friday; but he can also visit two shops on Friday, so this does not preclude him from visiting Shop H on Friday.

The Correct Answer:

C   Answer choice (C) correctly notes that the coffee drinker could conceivably visit Shop H on Wednesday, Thursday, or Friday. The chart below indicates why:

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop E (<u>Not</u> Shop H)	Shop A and Shop D (<u>Not</u> Shop H)		Shop G	Shop C

Clearly, Monday and Tuesday are not options for when the man could visit Shop H, but there is nothing to stop him from visiting Shop H on Wednesday, Thursday, or Friday.

The Incorrect Answers:

A, B, E   Answer choices (A), (B), and (E) incorrectly include Monday and/or Tuesday as options for when the coffee drinker could visit Shop H, so answer choices (A) and (B) may be eliminated immediately.

D   Answer choice (D) correctly includes Wednesday and Thursday as options for when he could visit Shop H, but it does not include Friday—which is also correct. Answer choice (D) is incorrect due to incomplete options, so it may be eliminated.

Question 17

<u>Overview</u>: Question 17 asks the student to identify the answer choice that cannot be correct, with four other answer choices offering correct or possible arrangements. The challenge in question 17 is in spotting the violated condition, so each answer choice must

be perused quickly but carefully. The student may feel the need to make a chart for each, but this is not necessarily required. The student should not waste time making charts unless there is a difficulty in visualizing the arrangements.

The Correct Answer:

B Answer choice (B) violates condition one by having the coffee drinker visit Shop D on Monday instead of on Tuesday as required. As a result, answer choice (B) is incorrect, because it is the only answer choice to offer an incorrect arrangement.

The Incorrect Answers:

A, C, D, E All four of these answer choices offer correct arrangements, so they cannot be correct. As noted above, it is not necessary to draw charts for each of these, but they could prove to be helpful if the student prefers to make them. The following represent charts for each of the arrangements.

(A)

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop A	Shop B and Shop D	Shop F and Shop G	Shop C and Shop I	Shop H and Shop E

(C)

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop G	Shop D and Shop C	Shop H and Shop A	Shop F and Shop I	Shop B and Shop E

(D)

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop B	Shop D and Shop G	Shop I and Shop E	Shop A and Shop F	Shop C and Shop H

(E)

Monday	**Tuesday**	**Wednesday**	**Thursday**	**Friday**
Shop I	Shop A and Shop D	Shop G and Shop H	Shop F and Shop E	Shop C and Shop B

Question 18

Overview: Question 18 asks the student to determine the best arrangement if the coffee drinker visits Shop G on Tuesday, Shop F on Wednesday, and Shop E on Thursday. Several conditions apply immediately. If the man is visiting Shop G on Tuesday, he *must not* visit Shop C on Monday (due to condition three). Additionally, he *must* visit Shop D on Tuesday along with Shop G (due to condition one). He *must not* visit Shop A on Thursday (due to condition two), and, of course, he *must not* visit Shop F on Friday (due to condition four). The correct answer will honor these specifications.

The Correct Answer:

A   Answer choice (A) provides an arrangement that falls into line with the requirements noted in the Overview without violating any conditions, so it is the correct answer.

The Incorrect Answers:

B   Answer choice (B) violates the second condition by having the coffee drinker visit Shop A and Shop E on the same day. Answer choice (B) is clearly incorrect, so it may be eliminated immediately.

C   Answer choice (C) violates the first condition by having the coffee drinker visit Shop D on Friday instead of on Tuesday, and it violates the third condition by having the man visit Shop G and Shop C on the same day. Answer choice (C) is incorrect.

D   Answer choice (D) violates the requirement that the man only visit two shops in one day, so it cannot be correct. Answer choice (D) may be eliminated.

E   Answer choice (E) violates the third condition by having the man visit Shop C on Monday and Shop G on Tuesday. Answer choice (E) cannot be correct, so it too may be eliminated.

Questions 19-24

The set-up: The final set of questions, nineteen through twenty-four, present a scenario in which Blythe is planning to visit nine castles—Airth, Blair, Dalhousie, Eilean Donan, Fingask, Glengarry, Inverlochy, Kincardine, and Lochleven—in six weekends. The scenario further notes that Blythe *must* visit certain castles together: Blair and Fingask, Eilean Donan and Lochleven, and Glengarry and Inverlochy. The other three castles must be visited individually (in order to achieve the required six weekends). The challenge with this set of questions is that the student must keep two different layers of requirements in mind.

The first layer is that of the grouping of the castles. The castles that are grouped together must remain together. Among the answer choices, any option that groups the castles together incorrectly is automatically incorrect. The second layer is that of the conditions. Condition one requires that Blythe *not* visit Airth on Weekend 1. As Airth is not grouped with another castle, the student does not have to worry about keeping a second castle in mind for this condition. Condition two states that Blythe *must* Dalhousie *after* she visits Lochleven. Dalhousie is not grouped with another castle, but Lochleven is (with Eilean Donan), so the student must remember that Blythe *must also* visit Dalhousie *after* Eilean Donan.

Condition three states that *if* Blythe visits Blair and Fingask on Weekend 1, she *must* visit Glengarry and Inverlochy on Weekend 4. This is, quite literally, a conditional condition: Blythe does *not* necessarily have to visit Blair and Fingask on Weekend 1, but if she does, she has to visit the other two on Weekend 4. Condition four states that Blythe *must* visit Kincardine *before* she visits Airth. And condition five states that Blythe *must* visit Eilean Donan (and, by default, Lochleven) *before* or *on* Weekend 3.

Question 19

Overview: Question 19 asks the student to identify the best possible schedule for Blythe, suggesting immediately that the student will be looking for a schedule that does not

violate any of the conditions. Keeping the conditions in mind, the student should scan through the answer choices quickly to see if any of them can be eliminated.

The Correct Answer:

A   Answer choice (A) is the only answer choice not to violate any of the established conditions. Blythe is visiting Blair and Fingask on Weekend 1, so she is visiting Glengarry and Inverlochy on Weekend 4 (due to condition three). She visits Eilean Donan on Weekend 3 (due to condition five). She also visits Lochleven on Weekend 3 (since it is grouped with Eilean Donan), and as a result visits Dalhousie on Weekend 5, which appropriately falls *after* her trip to Lochleven (due to condition two). And she visits Airth on Weekend 6, *after* visiting Kincardine on Weekend 2 (condition 4). Answer choice (A) is correct.

The Incorrect Answers:

B   Answer choice (B) incorrectly groups Blair with Glengarry and leaves Fingask by itself, so it is immediately incorrect and may be eliminated.

C   Answer choice (C) violates the first condition by placing Airth on Weekend 1 and also violates condition four by placing Kincardine after Airth. Answer choice (C) cannot be correct, so it too may be eliminated.

D   Answer choice (D) violates condition three (by placing Blair and Fingask on Weekend 1 but placing Glengarry and Inverlochy on Weekend 5 instead of Weekend 4), and it violates condition five by placing Eilean Donan on Weekend 4. Answer choice (D) is incorrect.

E   Answer choice (E) violates condition four by placing Kincardine on Weekend 6 after Airth on Weekend 2. Answer choice (E) cannot be correct.

Question 20

Overview: Question 20 essentially asks the student to identify the answer choice that offers an incorrect schedule. This means, of course, that four of the answer choices are correct. As noted previously, this can be a challenge, because violated conditions can be easier to spot than correct schedules. The student should begin by scanning the answer

choices quickly to see if any violations manifest themselves right away. If not, the student might want to make charts for each of the answer choices. As this can consume valuable time, which is especially problematic at the end of a test, the student should only do this if unable to locate the violated condition immediately.

The Correct Answer:

B   Answer choice (B) violates condition five by placing Eilean Donan (and with it Lochleven) on Weekend 4 instead of on or before Weekend 3. Answer choice (B), therefore, is the correct answer.

The Incorrect Answers:

A, C, D, E   Answer choices (A), (B), (C), and (D) are all incorrect because they present valid schedules for Blythe to visit the castles during the six weekends. Again, charts are not necessary, but if the student requires a visual aid, the following indicates the accurate schedules:

(A)

Weekend 1	Weekend 2	Weekend 3	Weekend 4	Weekend 5	Weekend 6
Kincardine	Blair and Fingask	Eilean Donan and Lochleven	Airth	Glengarry and Inverlochy	Dalhousie

(C)

Weekend 1	Weekend 2	Weekend 3	Weekend 4	Weekend 5	Weekend 6
Blair and Fingask	Eilean Donan and Lochleven	Dalhousie	Glengarry and Inverlochy	Kincardine	Airth

(D)

Weekend 1	Weekend 2	Weekend 3	Weekend 4	Weekend 5	Weekend 6
Eilean Donan and Lochleven	Blair and Fingask	Glengarry and Inverlochy	Kincardine	Airth	Dalhousie

(E)

Weekend 1	Weekend 2	Weekend 3	Weekend 4	Weekend 5	Weekend 6
Blair and Fingask	Eilean Donan and Lochleven	Kincardine	Glengarry and Inverlochy	Dalhousie	Airth

Question 21

Overview: In question 21, the student is asked to identify the weekends on which Blythe could visit Airth if she visits Glengarry on Weekend 2, Fingask on Weekend 3, and Dalhousie on Weekend 4. Right away, several conditions and requirements apply to the set-up. If Blythe is visiting Glengarry on Weekend 2, she is also visiting Inverlochy on Weekend 2. If she is visiting Fingask on Weekend 3, she is also visiting Blair on Weekend 3. Condition five requires that Blythe visit Eilean Donan (and by default Lochleven) before or on Weekend 3, so Blythe *must* be visiting Eilean Donan on Weekend 1 since the question states that she is visiting Fingask (and Blair) on Weekend 3. According to condition one, she cannot visit Airth on Weekend 1, and according to condition four she *must* visit Kincardine before she visits Airth. By this point, only Weekend 5 and Weekend 6 are available for visiting, so she must be visiting Kincardine on Weekend 5 and Airth on Weekend 6. The following chart indicates the schedule:

Weekend 1	Weekend 2	Weekend 3	Weekend 4	Weekend 5	Weekend 6
Eilean Donan and Lochleven	Glengarry and Inverlochy	Blair and Fingask	Dalhousie	Kincardine	Airth

The Correct Answer:

E   As shown in the chart above, the *only* weekend on which Blythe could visit Airth is Weekend 6, so answer choice (E) must be correct.

The Incorrect Answers:

A, B Blythe must visit Glengarry with Inverlochy, so she could not visit Airth on Weekend 2, when she is stated to be visiting Glengarry. Answer choices (B) and (C) are incorrect.

C   There are only six weekends for Blythe to visit the Scottish castles, and there is nothing in the set-up to indicate that Blythe could shorten her visit by one

weekend. The student should assume, therefore, that all six weekends *must* be filled. Having Blythe visit Airth on Weekend 4—with Dalhousie—would reduce Blythe's visits by one weekend. What is more, it violates condition four: Blythe must visit Kincardine *before* Airth, and according to the schedule shown in the chart above, she could not visit Kincardine before Weekend 4 without violating any other conditions or statements made in the question.

D As the chart above indicates, Blythe cannot visit Airth on Weekend 5 without leaving Kincardine for Weekend 6. Such a schedule would violate condition four, so it must be incorrect. Answer choice (D) may be eliminated.

Question 22

Overview: In question 22, the student is asked to identify the weekends on which Blythe could visit Inverlochy (and by default Glengarry) if she visits Kincardine on Weekend 1, Lochleven (and Eilean Donan) on Weekend 3, and Airth on Weekend 4. Several conditions apply at once. By the schedule indicated in the question, Blythe is already fulfilling two conditions: she is visiting Kincardine before Airth (condition four), she is *not* visiting Airth on Weekend 1 (condition one), and she is visiting Eilean Donan (with Lochleven) on Weekend 3 (condition five). Condition three does not apply in this question, but condition two does. The question is not asking for the weekends on which Blythe could visit Dalhousie, however, so it is enough to know that Blythe *cannot* visit Dalhousie on Weekend 2. The following chart indicates the schedule so far:

Weekend 1	**Weekend 2**	**Weekend 3**	**Weekend 4**	**Weekend 5**	**Weekend 6**
Kincardine	(Not Dalhousie)	Eilean Donan and Lochleven	Airth		

The student does not know when exactly Blythe will be visiting Dalhousie, as well as Blair and Fingask, but there is enough flexibility to place them—in addition to Glengarry and Inverlochy—in the schedule without violating conditions. The correct answer choice will reflect this flexibility.

The Correct Answer:

D As the chart above indicates, there is plenty of room in the schedule to fill the other three weekends, and there is nothing to prevent Blythe from visiting Glengarry and Inverlochy on Weekend 2, Weekend 5, and Weekend 6. Answer choice (D), therefore, is correct.

The Incorrect Answers:

A While it is definitely possible for Blythe to visit Glengarry and Inverlochy on Weekend 2 or Weekend 5, it is *not* possible for her to visit those castles on Weekend 1, as that it already filled by Kincardine. Answer choice (A) is incorrect.

B, C, E Answer choices (B), (C), and (E) fail from being insufficient: each of them contains correct answers, but none of them contains *all* of the correct answers. Answer choices (B), (C), and (E) cannot be correct.

Question 23

Overview: In question 23, the student is asked to identify the correct schedule if Blythe visits Blair (and Fingask) on Weekend 2. Right away, the student should know that condition three applies only in the sense that Blythe *must not* be visiting Glengarry and Inverlochy on Weekend 4 (since the reverse of the condition must also be true). Because the question does not indicate any other weekends on which castles could be visited, the student must focus instead on locating violated conditions for the correct answer.

The Correct Answer:

C Answer choice (C) does not violate any of the established conditions, and it correctly places Blair and Fingask on Weekend 2. Answer choice (C) is correct.

The Incorrect Answers:

A Answer choice (A) places Blair correctly on Weekend 2, but it does not group Blair with Fingask and instead places Fingask with Kincardine on Weekend 1. This goes against the requirements in the set-up for the question, so answer choice (A) may be eliminated immediately.

B   Answer choice (B) places Airth on Weekend 1 (thus violating condition one) and Kincardine on Weekend 5 (thus violating condition four). Answer choice (B) may also be eliminated immediately.

D   Answer choice (D) does not violate any of the conditions, but it ignores the statement in the question that Blythe will be visiting Blair on Weekend 2. Answer choice (D) may certainly be eliminated.

E   Answer choice (E) places Eilean Donan (and Lochleven) on Weekend 4, thus violating condition five. Answer choice (E) cannot be correct.

Question 24

Overview: Question 24 asks the student to identify the weekends on which Blythe could visit Dalhousie if she visits Airth on Weekend 2. Because Blythe is visiting Airth on Weekend 2, and because she must visit Kincardine before Airth (condition four), the student knows immediately that Blythe *must* be visiting Kincardine on Weekend 1. Because Blythe must also visit Eilean Donan (and Lochleven) before or on Weekend 3—and because she is visiting Kincardine on Weekend 1 and Airth on Weekend 2—the student also knows that she *must* be visiting Eilean Donan and Lochleven on Weekend 3. The following chart indicates the schedule thus far:

Weekend 1	**Weekend 2**	**Weekend 3**	**Weekend 4**	**Weekend 5**	**Weekend 6**
Kincardine	Airth	Eilean Donan and Lochleven			

As the schedule demonstrates, there are no other conditions that apply, so the schedule offers some flexibility for placing Dalhousie among the remaining weekends.

The Correct Answer:

E   There is nothing to prevent Blythe from visiting Dalhousie on Weekend 4, Weekend 5, or Weekend 6, so answer choice (E) is correct.

The Incorrect Answers:

A, B, C   Due to the placement of Airth in the schedule and due to the established conditions, Blythe must be visiting Kincardine on Weekend 1 and Eilean Donan on Weekend 3, so answer choices (A), (B), and (C) cannot be correct. All may be eliminated immediately.

D   Answer choice (D) contains partially correct information, but it does not contain all of the correct answers, so it cannot be correct. Answer choice (D) may be eliminated as well.