

## SECTION III

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**

On a Tuesday, an accountant has exactly seven bills—numbered 1 through 7—to pay by Thursday of the same week. The accountant will pay each bill only once according to the following rules:

Either three or four of the seven bills must be paid on Wednesday, the rest on Thursday.

Bill 1 cannot be paid on the same day as bill 5.

Bill 2 must be paid on Thursday.

Bill 4 must be paid on the same day as bill 7.

If bill 6 is paid on Wednesday, bill 7 must be paid on Thursday.

1. If exactly four bills are paid on Wednesday, then those four bills could be
  - (A) 1, 3, 4, and 6
  - (B) 1, 3, 5, and 6
  - (C) 2, 4, 5, and 7
  - (D) 3, 4, 5, and 7
  - (E) 3, 4, 6, and 7
2. Which one of the following is a complete and accurate list of the bills any one of which could be among the bills paid on Wednesday?
  - (A) 3, 5, and 6
  - (B) 1, 3, 4, 6, and 7
  - (C) 1, 3, 4, 5, 6, and 7
  - (D) 2, 3, 4, 5, 6, and 7
  - (E) 1, 2, 3, 4, 5, 6, and 7
3. If bill 2 and bill 6 are paid on different days from each other, which one of the following must be true?
  - (A) Exactly three bills are paid on Wednesday.
  - (B) Exactly three bills are paid on Thursday.
  - (C) Bill 1 is paid on the same day as bill 4.
  - (D) Bill 2 is paid on the same day as bill 3.
  - (E) Bill 5 is paid on the same day as bill 7.
4. If bill 6 is paid on Wednesday, which one of the following bills must also be paid on Wednesday?
  - (A) 1
  - (B) 3
  - (C) 4
  - (D) 5
  - (E) 7
5. If bill 4 is paid on Thursday, which one of the following is a pair of bills that could also be paid on Thursday?
  - (A) 1 and 5
  - (B) 1 and 7
  - (C) 3 and 5
  - (D) 3 and 6
  - (E) 6 and 7
6. Which one of the following statements must be true?
  - (A) If bill 2 is paid on Thursday, bill 3 is paid on Wednesday.
  - (B) If bill 4 is paid on Thursday, bill 1 is paid on Wednesday.
  - (C) If bill 4 is paid on Thursday, bill 3 is paid on Wednesday.
  - (D) If bill 6 is paid on Thursday, bill 3 is also paid on Thursday.
  - (E) If bill 6 is paid on Thursday, bill 4 is also paid on Thursday.

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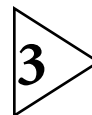
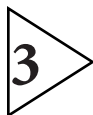
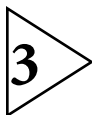
### Questions 7–13

Two mannequins—1 and 2—will be dressed for display in outfits chosen from ten articles of clothing. Each article is in exactly one of three colors: navy, red, or yellow. There are three hats—one in each color; three jackets—one in each color; three skirts—one in each color; and one red tie. Each mannequin wears exactly one of the hats, one of the jackets, and one of the skirts. Furthermore, their outfits must meet the following restrictions:

- Neither mannequin wears all three colors.
- Each mannequin wears a hat in a different color from the jacket it wears.
- Mannequin 2 wears the navy skirt.
- Mannequin 1 wears the tie.

7. Which one of the following could be complete outfits for the two mannequins?
  - (A) mannequin 1: navy hat, red jacket, yellow skirt, red tie  
mannequin 2: red hat, navy jacket, navy skirt
  - (B) mannequin 1: red hat, red jacket, yellow skirt, red tie  
mannequin 2: yellow hat, navy jacket, navy skirt
  - (C) mannequin 1: red hat, yellow jacket, red skirt, red tie  
mannequin 2: yellow hat, navy jacket, yellow skirt
  - (D) mannequin 1: yellow hat, red jacket, yellow skirt, red tie  
mannequin 2: red hat, navy jacket, navy skirt
  - (E) mannequin 1: yellow hat, yellow jacket, red skirt  
mannequin 2: red hat, navy jacket, navy skirt
8. Which one of the following could be true of the mannequins' outfits?
  - (A) Mannequin 1 wears the navy jacket and the yellow skirt.
  - (B) Mannequin 2 wears the red hat and the red jacket.
  - (C) Mannequin 1 wears exactly one red article of clothing.
  - (D) Mannequin 1 wears exactly three yellow articles of clothing.
  - (E) Mannequin 2 wears no red articles of clothing.
9. If mannequin 1 wears the navy jacket, which one of the following could be true?
  - (A) Mannequin 1 wears the yellow hat.
  - (B) Mannequin 1 wears the yellow skirt.
  - (C) Mannequin 2 wears the red hat.
  - (D) Mannequin 2 wears the yellow hat.
  - (E) Mannequin 2 wears the yellow jacket.
10. If all four of the red articles of clothing are included in the two mannequins' outfits, which one of the following must be true?
  - (A) Mannequin 1 wears the red hat.
  - (B) Mannequin 1 wears the yellow jacket.
  - (C) Mannequin 2 wears the navy jacket.
  - (D) Mannequin 1 wears no navy articles of clothing.
  - (E) Mannequin 2 wears no yellow articles of clothing.
11. If mannequin 2 wears the red jacket, then mannequin 1 must wear the
  - (A) navy hat
  - (B) red hat
  - (C) yellow hat
  - (D) red skirt
  - (E) yellow skirt
12. If all three of the yellow articles of clothing are included in the two mannequins' outfits, which one of the following could be true?
  - (A) Mannequin 1 wears the navy jacket.
  - (B) Mannequin 1 wears the yellow jacket.
  - (C) Mannequin 1 wears the red skirt.
  - (D) Mannequin 2 wears the red hat.
  - (E) Mannequin 2 wears the red jacket.
13. If mannequin 1 wears the skirt that is the same color as the jacket that mannequin 2 wears, which one of the following must be true?
  - (A) Mannequin 1 wears the yellow hat.
  - (B) Mannequin 1 wears the yellow jacket.
  - (C) Mannequin 2 wears the navy hat.
  - (D) Mannequin 2 wears the red hat.
  - (E) Mannequin 2 wears the red jacket.

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Questions 14–19

A college dean will present seven awards for outstanding language research. The awards—one for French, one for German, one for Hebrew, one for Japanese, one for Korean, one for Latin, and one for Swahili—must be presented consecutively, one at a time, in conformity with the following constraints:

The German award is not presented first.

The Hebrew award is presented at some time before the Korean award is presented.

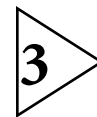
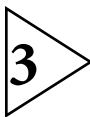
The Latin award is presented at some time before the Japanese award is presented.

The French award is presented either immediately before or immediately after the Hebrew award is presented.

The Korean award is presented either immediately before or immediately after the Latin award is presented.

14. Which one of the following must be true?
- (A) The French award is presented at some time before the Japanese award is presented.
  - (B) The French award is presented at some time before the Swahili award is presented.
  - (C) The German award is presented at some time before the Korean award is presented.
  - (D) The German award is presented at some time before the Swahili award is presented.
  - (E) The Swahili award is presented at some time before the Hebrew award is presented.
15. If the Hebrew award is presented fourth, which one of the following must be true?
- (A) The French award is presented fifth.
  - (B) The German award is presented third.
  - (C) The Japanese award is presented sixth.
  - (D) The Korean award is presented fifth.
  - (E) The Swahili award is presented first.
16. If the German award is presented third, which one of the following could be true?
- (A) The French award is presented fourth.
  - (B) The Japanese award is presented fifth.
  - (C) The Japanese award is presented sixth.
  - (D) The Korean award is presented second.
  - (E) The Swahili award is presented fifth.
17. The earliest that the Japanese award could be presented is
- (A) third
  - (B) fourth
  - (C) fifth
  - (D) sixth
  - (E) seventh
18. If the Japanese award is presented at some time before the Swahili award is presented, any of the following could be true EXCEPT:
- (A) The German award is presented immediately before the French award is presented.
  - (B) The German award is presented immediately before the Japanese award is presented.
  - (C) The Hebrew award is presented immediately before the Latin award is presented.
  - (D) The Korean award is presented immediately before the Japanese award is presented.
  - (E) The Swahili award is presented immediately before the German award is presented.
19. The order in which the awards are presented is completely determined if which one of the following is true?
- (A) The French award is presented immediately before the German award is presented, and the Korean award is presented immediately before the Latin award is presented.
  - (B) The French award is presented immediately before the Hebrew award is presented, and the Hebrew award is presented immediately before the Korean award is presented.
  - (C) The French award is presented immediately before the Latin award is presented, and the Korean award is presented immediately before the Japanese award is presented.
  - (D) The German award is presented immediately before the French award is presented, and the Latin award is presented immediately before the Japanese award is presented.
  - (E) The German award is presented immediately before the Korean award is presented, and the Hebrew award is presented immediately before the French award is presented.

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**Questions 20–24**

Exactly six piano classes are given sequentially on Monday: two with more than one student and four with exactly one student. Exactly four females—Gimena, Holly, Iyanna, and Kate—and five males—Leung, Nate, Oscar, Pedro, and Saul—attend these classes. Each student attends exactly one class. The following must obtain:

Iyanna and Leung together constitute one class.

Pedro and exactly two others together constitute one class.

Kate is the first female, but not the first student, to attend a class.

Gimena's class is at some time after Iyanna's but at sometime before Pedro's.

Oscar's class is at some time after Gimena's.

20. Which one of the following students could attend the first class?
- (A) Holly
  - (B) Leung
  - (C) Oscar
  - (D) Pedro
  - (E) Saul
21. Which one of the following is a complete and accurate list of classes any one of which could be the class Gimena attends?
- (A) the fourth, the fifth
  - (B) the fourth, the sixth
  - (C) the second, the fourth, the fifth
  - (D) the third, the fifth, the sixth
  - (E) the second, the third, the fourth

22. Which one of the following pairs of students could be in the class with Pedro?

- (A) Gimena and Holly
- (B) Holly and Saul
- (C) Kate and Nate
- (D) Leung and Oscar
- (E) Nate and Saul

23. If Oscar and Pedro do not attend the same class as each other, then which one of the following could be true?

- (A) Gimena attends the fifth class.
- (B) Holly attends the third class.
- (C) Iyanna attends the fourth class.
- (D) Nate attends the fifth class.
- (E) Saul attends the second class.

24. Suppose the condition that Oscar attends a class after Gimena is replaced with the condition that Oscar attends a class before Gimena and after Kate. If all the other conditions remain the same, then which class must Holly attend?

- (A) the second
- (B) the third
- (C) the fourth
- (D) the fifth
- (E) the sixth

**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.