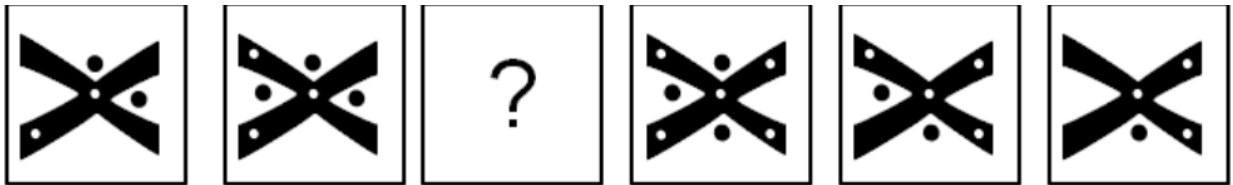


**MBA & MPA Entrance Exam**

**Logical Reasoning**

1. Sherry starts her trip from a fixed point. She moves towards west and walks 25 meters. She then turns to her left and walks 20 meters. Next she moves 25 meters to her right. She then turns to her right again and walks 55 meters. Finally she turns to her right and moves 80 meters. In which direction is she now from her starting point?
- (a) South
  - (b) North
  - (c) South-West
  - (d) North-East

2. Choose the image that completes the pattern:



**Which of the shapes below continues the sequence:**



- (a)
- (b)
- (c)
- (d)
- (e)

3. Read the following information and answer the questions that follow.

(i) Four persons A, B, C and D eat mango, banana, orange or peach from Monday to Thursday. No two persons eat the same fruit on same day. Each of them eats only one fruit on a day and does not repeat it on any other day.

(ii) Neither C nor D eats orange or peach on Tuesday.

(iii) B eats banana on Wednesday.

- (iv) A eats peach on Tuesday.
- (v) C does not eat mango on Thursday.
- (vi) D eats banana on Monday.

Who eats orange on Tuesday?

- (a) A
- (b) B
- (c) C
- (d) Either A or B

4. Fact 1: All chickens are birds.

Fact 2: Some chickens are hens.

Fact 3: Female birds lay eggs.

If the first three statements are facts, which of the following statements must also be a fact?

I. All birds lay eggs.

II. Hens are birds.

III. Some chickens are not hens.

- (a) II only
- (b) II and III only
- (c) I, II, and III
- (d) None of the statements is a known fact.

5. Richard is fifteenth from the front in a column of boys. There were twice as many behind him as there were in front. How many boys are there between Richard and the seventh boy from the end of the column?

6. Study the following information carefully and answer the questions which follow:

The following are the conditions/criteria for a group of college students to watch a movie at a theatre.

(a) Every student in the group should have attended all their lectures, i.e., no student should miss any lecture for watching the movie.

(b) No student in the group should have watched the movie earlier.

(c) The movie should be screened at a theatre, which is not more than 3 km away from their college.

(d) Every student of the group should agree to watch the same movie. In case a condition given above is not satisfied, an alternate condition for the same is given below:

(e) If condition (a) alone is violated and less than half of the total number of students has to miss their lectures, then these students attend their lectures and others can proceed to watch the movie.

(f) If condition (b) alone is violated but the movie is a hit and more than half of the total number of students of the group has not watched the movie before, then all of them go to watch the movie.

(g) If condition (c) alone is violated but at least two seniors are accompanying them to watch the movie, then all of them go to watch the movie.

(h) If condition (d) alone is violated and more than one-fourth of the total numbers of students in the group are not willing to watch the movie, then all the members of the group should meet and take a decision. Based on the above criteria and the information given in each of the following questions, you have to take decision with regard to each case. You should not assume anything beyond what is given in the question.

Now mark your answer as:

(A) If the group decides to watch the movie.

(B) If the decision is not to watch the movie.

(C) If the data is inadequate.

(D) If a meeting is to be held to take a decision.

Question: A group of 10 students plans to watch a particular movie in a theatre, which is 3 km away from their college. None of them has watched the movie earlier. Everybody agrees to watch this movie. Only 4 students out of the group have not attended their classes.

7. Rental prices are usually lower on the basement and ground floors of an apartment building, and highest at the top of the building. Rental prices are also usually higher for buildings that receive more sunlight. In addition, rental prices are determined by the number of bedrooms in an apartment. There are six floors in building No. 88. Cathy lives on the sixth floor, David lives on the fourth floor, Krystal lives on the ground floor, and Oscar lives in the basement. Out of the four

tenants, Krystal pays the highest rent and Oscar pays the lowest rent. Which of the following conclusions CANNOT be drawn from the statements above?

A. Oscar lives in a 1-bedroom, David's apartment receives the most sunlight, and Krystal lives in a 3-bedroom.

B. Cathy lives in a 3-bedroom, Oscar lives in a 3-bedroom, and Krystal lives in a 1-bedroom.

C. Krystal lives in a 1-bedroom, David's apartment receives the most sunlight, and Cathy lives in a 3-bedroom.

D. David lives in a 2-bedroom, Cathy's apartment receives the most sunlight, and Oscar lives in a 1-bedroom.

E. Cathy lives in a 3-bedroom, Cathy's apartment gets the most sunlight, and Krystal lives in a 5-bedroom.

(a) A

(b) B

(c) C

(d) D

(e) E

### Answer Key

1. a    2. b    3. b    4. b    5. 21    6. a    7. c