

CMAT Sample Questions

Section 2: Logical Reasoning

Directions for Question 1: Mark a if only I follows; Mark b if only II follows; Mark c if either I or II follow; Mark d if neither I nor II follow; Mark e if both follow:

1) Some balls are points. All balls are pens. All pens are gels. Conclusions:
I. All balls are pens. II. All pens are balls.

2) 6 people A, B, C, D, E and F are sitting in a row facing the East. A is to the immediate right of C who is at the extreme north end. E is sitting between B and F. B is 2 places to the right of A. Which of the following pairs of people are adjacent to each other?

a) AD b) CD c) FC d) AE e) None of these

3) Conditions:

A + B means A is the daughter of B A - B means A is the husband of B A * B means A is the brother of B If $M - N + P * Q$ then which of the following is not true

- a) P is the father-in-law of M
- b) N is the wife of M
- c) Q is the mother of N
- d) P is the mother of N
- e) Q is the grand-mother of N

4) Read the main statement given below and

Mark a if conclusion I follows; b if conclusion II follows; c if either conclusion I or II follow; d if neither conclusion I nor II follow; e if both conclusions I and II follow

Statement - Today in India we do need extraordinary specialists but we need those trained ordinary

Doctors who are dedicated to their profession

Conclusions -

(I) we should promote the medical profession with dedicated ordinary doctors rather than promoting high specialized medical education

(II) Extraordinary specialists are not dedicated to their profession

5) Read the following information carefully and answer the question below:

- Abha weighs more than Bharat.
- Renuka weighs more than Kamal.
- Shiela weighs less than Mohit.
- Abha and Mohit have the same weight.
- Kamal weighs less than Bharat. Who amongst the following weighs the minimum?

(a) Kamal

(b) Abha

(c) Shiela

(d) Abha or Mohit

(e) Cannot be determined

6) Jack starts from point A, walks 14 m towards the East, takes a left turn and walks 4 m. He then takes right turn, walks 2 m and stops. Sam starts from the same point A, walks 14 m towards the South, takes a left turn and walks 20m before stopping.

Jack walks 4 m from the point where he stopped in a straight line in the same direction which he faced when he stopped and reaches point B. How far would Sam have to travel from the point where he stopped and in which direction if he must meet Jack at point B?

- (a) 12 m towards South (b) 14 towards South (c) 18 m towards
(d) 18 m towards North (e) 16 m towards South

7) In a certain code language —

'Was that your letter in the box' is coded as, '**ra jo zi mo ke sa da**'

'That was not there' is coded as, '**ko bi da zi**'

'The letter was black' is coded as, '**de zi sa ra**'

'Letter box not in' is coded as, '**ko jo mo ra**'

'Your box' is coded as, '**jo ke**'

Which of the following is coded as 'ra' in the given code language?

- (a) box (b) not (c) letter (d) your (e) None of these

For 8 to 10: Study the following information and answer the given questions:

A building of seven floors (the ground floor counted as first floor) is owned by seven different persons (one person owns one floor). Six out of these seven floors are used for different businesses while one of the floors is vacant.

The floor that has the library is owned by K and it has three floors below it. There are three floors between the Insurance Company and the News paper office. The Grocery and the News paper office have one floor between them. The Bank is below the Travel Agency and they have two floors between them. The News paper office is just below the Library.

J's floor is below K's floor and there are two floors between them. O owns a floor below P's floor and there are two floors between them, N's floor is immediately below L's floor. M is one of the owners.

8) Which of the following statements is true regarding N? (a) N owns the floor that has the bank.

- (b) N's floor is three floors above K's floor.
(c) There is one floor between N's and P's floors.
(d) N owns the floor that is vacant
(e) None is true.

9) Which of the following businesses is there on J's floor?

- (a) Grocery Store (b) Travel Agency (c) Insurance
(d) Bank (e) None of these

(10) If all the owners are asked to shift their businesses and all of them are given a floor alphabetically from top to bottom (according to their names) i.e. J is asked to shift to the seventh floor and similarly P is asked to shift to the first floor (ground floor), then which floor will be vacant and which floor will have the Insurance Company?

- (a) Fourth floor will be vacant and fifth floor will have the Insurance Company
(b) Third floor will be vacant and sixth floor will have the Insurance Company
(c) Fifth floor will be vacant and third floor will have the Insurance Company
(d) Third floor will be vacant and fifth floor will have the Insurance Company
(e) None of these