

Sample questions from a similar IIMA test

Correct Answer: +1 Mark; Wrong Answer: -0.25 mark

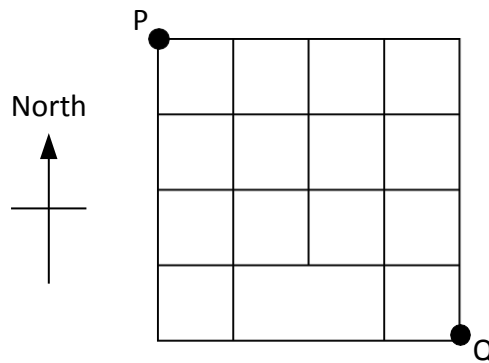
1. A right circular cone of radius 5cm and height 9cm is put inside a right circular cylinder of radius 5cm and height 12cm. The remaining volume of the cylinder is filled with sand. The sand is then taken out and formed into a right circular cone with radius 5cm. What will be the height of the sand cone?

- A. 12cm B. 17cm C. 21cm D. 27cm

2. Mr. Sharma has asked his sons Ramesh and Suresh to alter his pair of trousers by shortening them. Ramesh gets the pair of trousers shortened by $x\%$ of their length. Independently Suresh takes the shortened pair of trousers and asks the tailor to shorten it by 10% of the already shortened length. When Mr. Sharma sees the pair of trousers he finds that they are 80% of their original length. Which of the following options is closest to the value of x ?

- A. 9 B. 10 C. 11 D. 12

3. Consider the road network given below in which each line segment represents a road.



A car starts from point P and has to reach point Q. If the car can only travel due south or due east, in how many ways can the car reach from P to Q?

- A. 19 B. 25 C. 60 D. 70

DIRECTIONS for Questions 4 to 6: Answer these questions based on the following information:

Eight people, A, B, C, D, E, F, G, and H are given unique ranks from 1 to 8 with 1 being the highest rank and 8 being the lowest. F has rank 4. D is ranked above A and there are two people with ranks between A's rank and D's rank. C is ranked 3 ranks above D, and there are 6 people with ranks between A's rank and H's rank. B's rank is between those of E and G, and is higher than E's rank.

4. Who among A, B, ..., H has rank 1?

- A. B B. C C. D D. H

5. Who among A, B, ..., H has rank 6?

- A. A B. B C. G D. H

6. How many people have ranks between C and F?

- A. 1 B. 2 C. 3 D. 4

Directions to Questions 7 to 8: Each question has a word or short phrase. Choose the word that is the most dissimilar in meaning to the word or phrase given.

7. diffident

- (A) hesitant
- (B) bold
- (C) modest
- (D) weak

8. vehement

- (A) dispassionate
- (B) fervent
- (C) static
- (D) excited

Directions to Questions 9 to 10: Select the word or word pair that best completes each sentence. Mark the letter that appears before your answer.

9. A person who will not take "no" for an answer may sometimes be classified as a ----.

- (A) salesman
- (B) persistent
- (C) zealot
- (D) herectic

10. The children were told that they should be ---- of strangers offering candy.

- (A) Weary
- (B) Wary
- (C) Envious
- (D) Considerate

ANSWER KEY

1. D
2. C
3. C
4. D
5. B
6. A
7. B
8. A
9. C
10. B