

Distance And Direction Questions Overview

Distance And Direction Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Distance And Direction Questions.

Distance And Direction Questions

Read the given information carefully and answer the following questions: P and Q are two friends whose houses are 20 metres away from each other. Q's house is to the north of P's house. P walks 10 m towards east from his house to reach the bus stop number 102, then he takes a right turn and walks for 10 m to reach the stationary shop. There, he turns 45° to his left and walks for another 10 m and reaches the school, then he turns 90° to his left and walks for 10 m and finally reaches the playground. Q moves out from his house and walks for 20 m in the east direction to reach the bus stop number 101. He takes a right turn and walks 10 m to reach the cafeteria. There, he turns 45° to his left and walks for 10 m to reach the hospital, then he turns 90° to his right and walks another 10 m to finally reach the park.

Question

In which direction is Q with respect to P after both of them reach their final destinations?

Difficulty : Moderate

Average Time : 75 Seconds

Options :

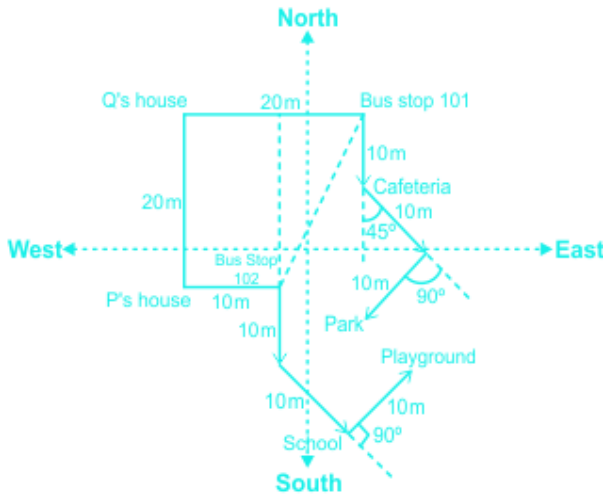
1. North-West
2. North-East
3. North
4. West
5. East

Solution

The correct answer is **option 1**, ie. 'North-West'

Understanding

The movements of P and Q are shown in the diagram given below:



Hence, after reaching their final destinations, Q is in the north-west direction with respect to P.