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Direction Sense Questions for SBI Clerk Mains and IBPS Clerk Mains Exams.

Direction Sense Quiz 24

Directions: Read the given information carefully and answer the questions given beside.

It is given that
North direction- $
South direction- #
East direction- @
West direction- *

Ram was going out from his house in the morning to go to his office and then to finally reach the gym. So he came out of his house and started to walk in the ' @ ' direction. After walking for 10 km straight, he stopped at the tea stall. After that, he started walking towards the salon, which is at a distance of 12 km in the ' $ ' direction from the tea stall. After that, he walked out from the salon towards the temple, which is at a distance of 20km in the ' * ' direction from the salon. Then he started walking for 30 km in the ' # ' direction from the temple towards a stationary shop. Then he started moving in ' @ ' direction to the bus stand, which is 25 km away from the stationary shop. Then he boarded a bus and travelled for 12 km from the bus stand to reach his office in ' $ ' direction. After that, he finally started walking from his office towards gym which is at a distance of 10 km and in ' @' direction from his office.

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1. Ram's house is in which direction with respect to the gym?

A. South B. South east C. North east D. North west E. East

2. What is the shortest distance between temple and Ram's house?

A. 4 √61 B. 2 √ 61 C. 3 √ 31 D. 5 √ 21 E. None of the above

3. What is the total distance covered by Ram from his house to gym?

A. 120 km B. 135 km C. 119 km D. 114 km E. None of these

4. The Bus stand is in which direction with respect to the salon?

A. North east B. South East C. South West D. North West E. None of these

5. If Ram goes from Gym to the Hospital which is 12 km to the south of the Gym, then the bus stand is in which direction and at how much distance from the Hospital?

A. 10 km south B. 10 km West C. 15 km North West D. 12 km North E. None of the above

Correct Answers:

1	2	3	4	5
D	B	C	B	B

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Common explanation :

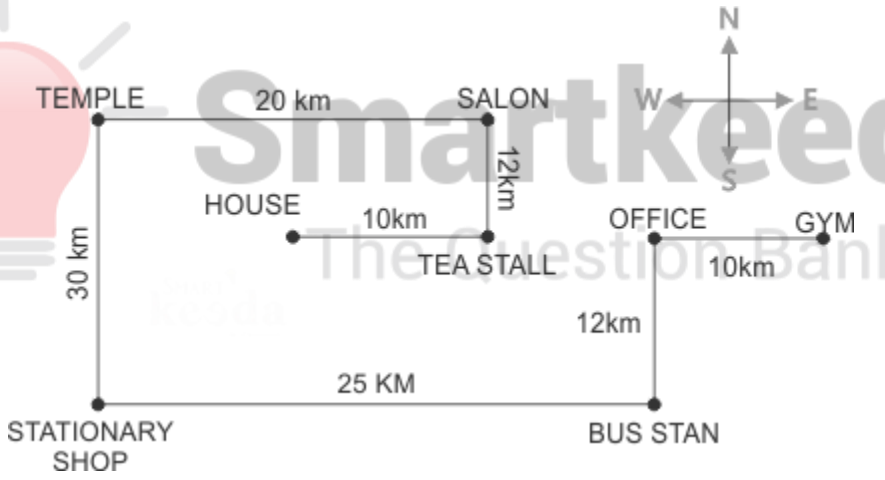
Reference-

We have instructions like North direction- $, South direction- # East direction- @ and West direction- *

We also have information such as Ram came out of his house and started to walk in the ' @ ' direction. After walking for 10 km straight, he stopped at the tea stall. After that, he started walking towards the salon, which is at a distance of 12 km in the ' $ ' direction from the tea stall. After that, he walked out from the salon towards the temple, which is at a distance of 20km in the ' * ' direction from the salon. Then he started walking for 30 km in the ' # ' direction from the temple towards a stationary shop. Then he started moving in ' @ ' direction to the bus stand, which is 25 km away from the stationary shop. Then he boarded a bus and travelled for 12 km from the bus stand to reach his office in ' $ ' direction. After that, he finally started walking from his office towards gym which is at a distance of 10 km and in ' @' direction from his office.

Inference-

So taking into account of the statements which are stated above, we can draw conclusions as-



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Answers.

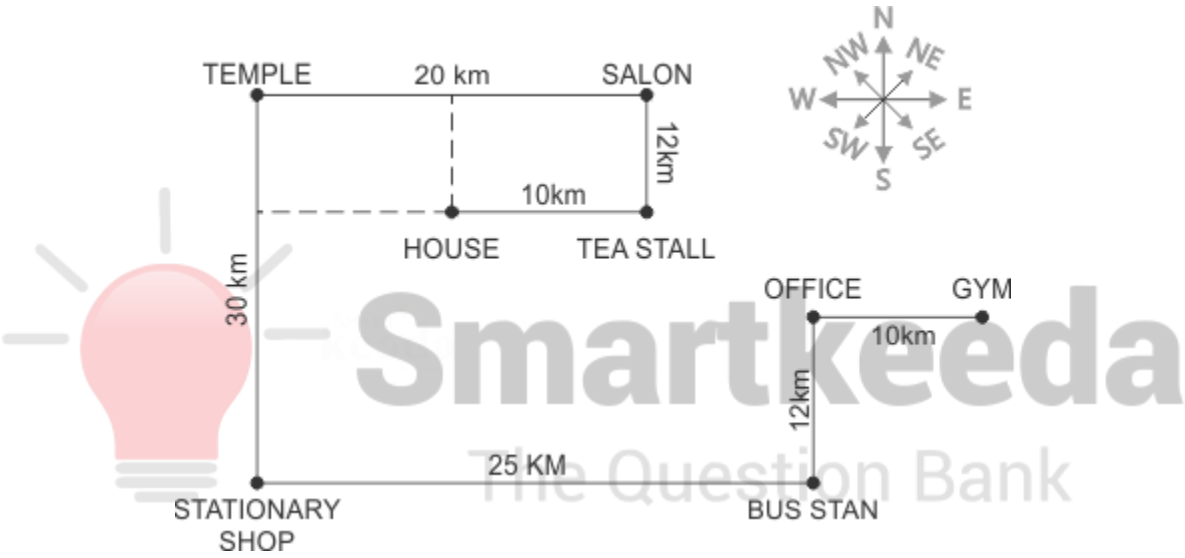
1. We can see that the house is in Northwest direction with respect to the gym.

Hence option D is correct.

2. From the figure we can derive the distance using Pythagoras's formula as

Sqrt ($12^2 + 10^2$)

Sqrt (144+100)= √(244)= 2 √ 61.



Hence option B is correct.

3. We add every distance from house to gym.

10+12+20+30+25+12+10= 119 km

Hence option C is correct.

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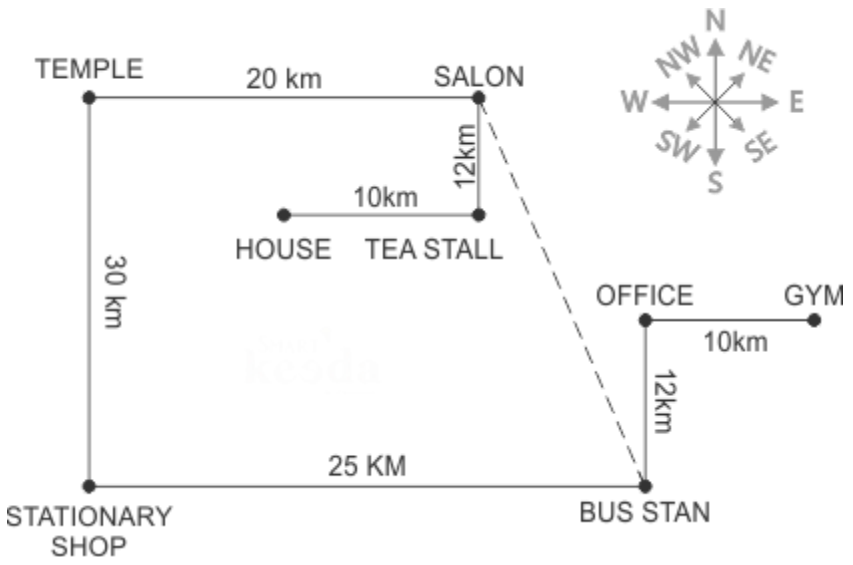
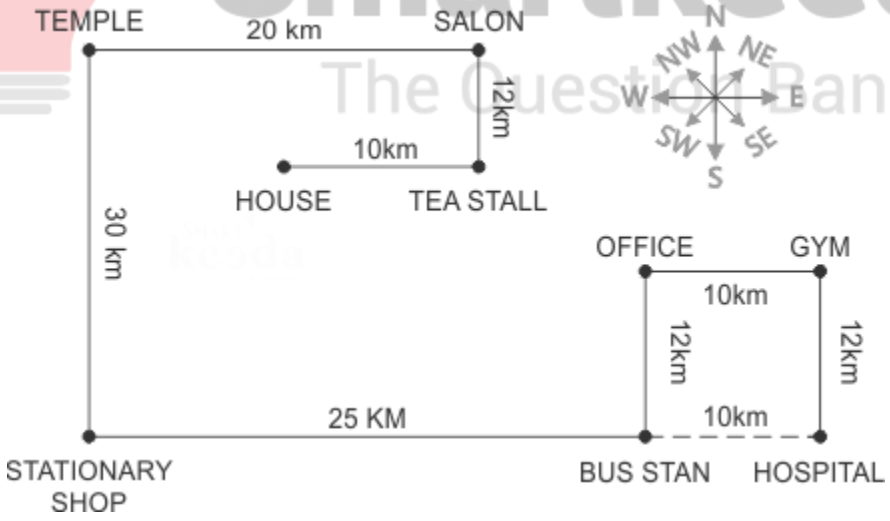
4. We can clearly see in the diagram that the bus stand is in South East direction from the Salon.



Hence option B is correct.

5. If Ram goes to Hospital from Gym at a direction of south and a distance of 12 km, then the Bus stand is at 10 km West from the hospital.



Hence option B is correct

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