

**LOGICAL REASONING**  
**DIRECTION SENSE - 1**

(Answers on page 2)

- 1) An architect designed and strategically positioned five buildings code named, Alpha, Beta, Delta, Gamma and Orbit, for a military base. Building Alpha is to the South of Gamma. Delta is to North of Orbit, at the same time it is to the East of Alpha. Beta is to the West of Gamma. Then Orbit is in which direction of Beta?  
a) Southwest                      b) East                      c) Southeast                      d) None of these
- 2) Juni, Remya, Dev and George are playing carroms. Remya and George are partners. Who faces East, if George faces North ?  
a) Juni                      b) Dev                      c) Remya                      d) Either (a) or (b)
- 3) Three street vendors positioned their stalls in such a way that Chips stall 70m South-East of Bhelpuri stall. If fruits stall is 70m North-East of Bhelpuri stall, then fruit stall is in which direction of Chips stall?  
a) North                      b) East                      c) South                      d) West
- 4) Sreelatha leaves for the market from her home. She walks towards East. After moving a distance of 30m, she turns towards South and walk 20m. Then she walks 65m towards the West and further 10m towards the North. Then she turns towards East and walks 35m. What is the straight-line distance in meters between her initial and final position?  
a) 15                      b) 10                      c) 20                      d) None of these
- 5) A high definition camera used for film shooting is positioned in such a way to capture the glimpses of setting sun, from there, the camera turned right, then 180 degree turn in the clockwise direction. From there, the camera turned 120 degrees in the anticlockwise direction, followed by a left turn. Which direction the camera positioned finally?  
a) West                      b) South                      c) Northwest                      d) None of these
- 6) The University campus has four gate facing North, South, East and West. Mahin walked into the campus through the gate facing south, then he turned to right, continued to walk for five minutes, then he turned to his left, followed by another right turn and walked pass ATM to get out of the campus. Which gate he used to get out from the campus?  
a) East                      b) North                      c) West                      d) South
- 7) A delivery van started moving from the depot, 8km towards North then 5km towards right, then another 7km towards left. Approx., how far is it from the depot and in which direction?  
a) 15km Northwest                      b) 20km North                      c) 25km West                      d) 16km Northeast
- 8) Sinha started his routine walk positioning his back towards the setting sun. After a while, he turned right, then turned left and towards right again. In which direction is he walking now?  
a) South                      b) North                      c) East                      d) West
- 9) Kuldeep drove a car 16 km in South direction and took a U - turn and drove another 30 km, then he turned East and drove another 5 km. After this he turned right and drove 10 km and finally, he turned West and drove 2 km. How far is he from the starting point?  
a) 3 km                      b) 5 km                      c) 4 km                      d) 6km
- 10) Just after sunrise Yadu was doing aerobics facing to Chinnu. If Yadu's shadow was exactly to the right of Chinnu, then which direction was Yadu facing?  
a) West                      b) South                      c) North                      d) None of these

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**ANSWERS:**

- 1) c (Southeast)
- 2) d (Either a or b)
- 3) a (North)
- 4) b (10)
- 5) c (Northwest)
- 6) a (East)
- 7) d (16 km Northeast)
- 8) a (South)
- 9) b (5 km)
- 10) c (North)

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