

**1) Statements:**

- All pens are books.
- Some books are papers.
- No paper is a pen.

**Conclusions:**

- I. Some papers are not pens.
- II. All pens are papers.
- III. Some books are not papers.
- IV. Some books are pens.

- a) I and IV follow
- b) II and III follow
- c) Only IV follows
- d) I, III and IV follow

**Answer: a) I and IV follow**

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**2) Statements:**

- Some cats are dogs.
- All dogs are tigers.
- Some tigers are lions.

**Conclusions:**

- I. Some cats are tigers.
- II. Some lions are dogs.
- III. Some tigers are cats.
- IV. All dogs being lions is a possibility.

- A. Only I and III follow
- B. Only I and IV follow
- C. Only II and III follow
- D. Only IV follows

**Answer: B**

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**3) Statements:**

- All flowers are trees.
- Some trees are fruits.
- All fruits are roots.

**Conclusions:**

- I. Some roots are trees.
- II. Some roots are flowers.
- III. All flowers being fruits is a possibility.
- IV. Some trees are not roots.

- A. Only I and III follow  
B. Only II and IV follow  
C. Only I, II and III follow  
D. All follow

**Answer: C**

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**4) Statements:**

- Some men are soldiers.
- All soldiers are brave.
- Some brave are intelligent.

**Conclusions:**

- I. Some intelligent are soldiers.
- II. All men being brave is a possibility.
- III. Some brave are men.
- IV. All intelligent being soldiers is a possibility.

- A. Only II and III follow  
B. Only I, II and III follow  
C. Only II and IV follow  
D. Only I and IV follow

**Answer: C**

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**5) Pointing to a man, A says: “He is the son of my mother’s husband’s daughter.”  
How is the man related to A?**

- a) Brother
- b) Nephew
- c) Cousin
- d) Can’t be determined

***Answer: b) Nephew***

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**6) Ravi said to Mohan: “That boy playing with the football is the younger of the two sons of my father’s wife’s brother.”  
How is that boy related to Ravi?**

- a) Brother
- b) Cousin
- c) Nephew
- d) Uncle

***Answer: b) Cousin***

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**7) Sita said: “The man in the photo is the husband of my mother’s only daughter.”  
If Sita has no sister, then how is the man in the photo related to Sita?**

- a) Brother
- b) Husband
- c) Father
- d) Uncle

***Answer: b) Husband***

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**8) Pointing towards a girl in the picture, Raj said, “She is the daughter of my grandfather’s only son.”  
If Raj has no brother, how is the girl related to Raj?**

- a) Cousin
- b) Sister

- c) Daughter
- d) Aunt

**Answer: b) Sister**

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**9) If in a code language:**

- "DELHI" → 52
- "MUMBAI" → 63
- "PUNE" → 50

**Then what is "KOLKATA" coded as?**

- a) 70
- b) 72
- c) 68
- d) 74

**Answer: b) 72**

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**10) If in a certain code XAT = 49, CAT = 29, MAT = 39, then what will be the code for BAT?**

- a) 19
- b) 24
- c) 34
- d) 44

**Answer: c) 34**

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**11) In a coding system, DELHI is coded as EDHIL, and PATNA is coded as APTNA. How will KOLKATA be coded?**

- a) OLKATAK
- b) OLLKATA
- c) OKLATAK
- d) OLKATKA

**Answer: a) OLKATAK**

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**12) If R = 18, A = 1, M = 13, then RAM = 18113. Similarly, what will be XAT?**

- a) 241120
- b) 2411200
- c) 24120
- d) 241220

**Answer: a) 241120**

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**13) If EARTH = 52, MARS = 49, VENUS = 80, then what is SATURN coded as?**

- a) 85
- b) 91
- c) 93
- d) 95

**Answer: b) 91**

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**14) In a secret code, vowels are replaced by the next alphabet, and consonants are replaced by the previous alphabet. What is the code for XAT?**

- a) WBU
- b) WBS
- c) YBU
- d) YBS

**Answer: a) WBU**

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**15) A man walks 4 km north, then turns right and walks 3 km, then turns right and walks 4 km, and finally turns left and walks 5 km. How far and in which direction is he from his starting point?**

- a) 5 km East
- b) 5 km West

- c) 8 km East
- d) 2 km West

**Answer: a) 5 km East**

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**16) A person starts from point A and walks 5 km north, then turns right and walks 8 km. He again turns right and walks 10 km, then turns left and walks 6 km. Finally, he turns left and walks 5 km. How far and in which direction is he from the starting point A?**

- A. 7 km East
- B. 8 km West
- C. 6 km South-East
- D. 9 km North-East

**Answer: D. 9 km North-East**

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**17) Ravi starts walking from point P towards east. After walking 12 km, he turns left and walks 7 km. He then turns left again and walks 10 km. Finally, he turns right and walks 6 km. How far is he from point P and in which direction?**

- A. 15 km, South-East
- B. 11 km, North-East
- C. 13 km, South-East
- D. 10 km, North-West

**Answer: A. 15 km, South-East**

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**18) A person starts from a point X, walks 6 km north, then turns right and walks 4 km. He again turns right and walks 10 km. After that, he turns left and walks 6 km, then finally turns left and walks 2 km. How far is he from point X and in which direction?**

- A. 10 km, South-East
- B. 8 km, South-West
- C. 12 km, North-West
- D. 9 km, South-East

**Answer: B. 8 km, South-West**

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**19) Who is the tallest among P, Q, R, S?**

**Statements:**

- P is taller than Q and S but shorter than R.
- R is not the tallest.

- a) 1 alone is sufficient
- b) 2 alone is sufficient
- c) Both together are sufficient
- d) Neither sufficient

**Answer: d) Neither sufficient**

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**20) The average age of a family of 5 members is 30 years. The family has two parents and three children.**

**Question: What is the age of the youngest child?**

**Statements:**

- The sum of the ages of the two parents is 70 years.
- The average age of the three children is 20 years.

- A. Statement (1) alone is sufficient.
- B. Statement (2) alone is sufficient.
- C. Both (1) and (2) together are sufficient.
- D. Neither (1) nor (2) is sufficient.

**Answer: C**

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**21) A and B together can complete a work in 12 days. The question is: In how many days can A alone complete the work?**

**Statements:**

- **A is twice as efficient as B.**
- **B alone can complete the work in 36 days.**

- A. Statement (1) alone is sufficient.  
B. Statement (2) alone is sufficient.  
C. Both (1) and (2) together are sufficient.  
D. Neither (1) nor (2) is sufficient.

**Answer: A**

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**22) A shopkeeper marks up an article by 25% above cost price and gives a discount of  $x\%$  on the marked price. Question: What is the selling price of the article?**

**Statements:**

- **After giving the discount, the shopkeeper makes a profit of 10%.**
- **The cost price of the article is ₹800.**

- A. Statement (1) alone is sufficient.  
B. Statement (2) alone is sufficient.  
C. Both (1) and (2) together are sufficient.  
D. Neither (1) nor (2) is sufficient.

**Answer: C**

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