Practice Questions for Symbol & Notation

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| Question | If  **( I ) 'A \* B' means 'A is brother of B'   ( II ) 'A / B' means 'B is mother of A'   ( III ) 'A – B' means 'A is father of B'   ( IV ) 'A + B' means 'B is sister of A'**  Which of the following means L is daughter of H? |
| Option A | L + K / J – H |
| Option B | H – J \* R + L |
| Option C | L – J \* H / K |
| Option D | L + W \* R / H |
| Answer | Option B |
| Explanation | **H – J \* R + L   L -> Sister R ,  R -> Brother J,  J -> Fother H   Therefore, L is daughter of H.** |

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| Question | If  **( I ) 'A \* B' means 'A is brother of B'  ( II ) 'A / B' means 'B is mother of A'  ( III ) 'A – B' means 'A is father of B'  ( IV ) 'A + B' means 'B is sister of A'**  How is S related to T in the Expression: T / P + S ? |
| Option A | Daughter |
| Option B | Sister |
| Option C | Niece |
| Option D | Aunt |
| Answer | Option D |
| Explanation | **T / P + S  S -> Sister P , P -> Mother T  Therefore, P is the mother of T and S is the sister of P.  Then S is Aunt of T.** |

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| Question | In the following question symbols are illustrated as below:  A $ B’ means ‘A is not greater than B’. 'A @ B' means 'A is neither smaller then nor equal to B'. 'A & B' means 'A is neither greater than nor equal to B'. 'A © B' means 'A is neither greater than nor smaller than B'. 'A % B' means 'A is not smaller than B’.  **Statements:** C & D, D $ E, E © F   **Conclusions:** I .F @ C                        II. E @ C |
| Option A | If only conclusion I is true |
| Option B | If only conclusion II is true |
| Option C | If either conclusion I or conclusion II is true |
| Option D | If both conclusions I and II are true. |
| Answer | Option D |
| Explanation | **‘A $ B’ -> A !> B, therefore A = B.  ‘A @ B’ -> A B.  ‘A & B’ -> A !> B and A ‘A © B’ -> A !> B and A ‘A % B’ -> A C & D -> C < D  D $ E -> D = E  E © F -> E = F  Therefore C < D = E = F  Conclusions:  1. F @ C -> F > C ( True )  2. E @ C -> E > C ( True )** |

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| Question | In the following question symbols are illustrated as below:  A $ B’ means ‘A is not greater than B’. 'A @ B' means 'A is neither smaller then nor equal to B'. 'A & B' means 'A is neither greater than nor equal to B'. 'A © B' means 'A is neither greater than nor smaller than B'. 'A % B' means 'A is not smaller than B’.  **Statements:** D % H, H $ P, P @ Q   **Conclusions:** I .D @ P                        II. Q & H |
| Option A | If only conclusion I is true |
| Option B | If only conclusion II is true |
| Option C | If either conclusion I or conclusion II is true |
| Option D | If both conclusions I and II are true. |
| Answer | Option D |
| Explanation | **D & H -> D = H  H $ P -> H = P  P @ Q -> P > Q  Therefore D = H = P > Q   Conclusions:   1. D @ P -> D > P ( Not True )  2. Q & H -> Q < H ( Not True )** |

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