Questions 6–12

A university library budget committee must reduce exactly five of eight areas of expenditure—G, L, M, N, P, R, S, and W—in accordance with the following conditions:

If both G and S are reduced, W is also reduced.
If N is reduced, neither R nor S is reduced.
If P is reduced, L is not reduced.
Of the three areas L, M, and R, exactly two are reduced.

6. Which one of the following could be a complete and accurate list of the areas of expenditure reduced by the committee?
   (A) G, L, M, N, W
   (B) G, L, M, P, W
   (C) G, M, N, R, W
   (D) G, M, P, R, S
   (E) L, M, R, S, W

7. If W is reduced, which one of the following could be a complete and accurate list of the four other areas of expenditure to be reduced?
   (A) G, M, P, S
   (B) L, M, N, R
   (C) L, M, P, S
   (D) M, N, P, S
   (E) M, P, R, S

8. If P is reduced, which one of the following is a pair of areas of expenditure both of which must be reduced?
   (A) G, M
   (B) M, R
   (C) N, R
   (D) R, S
   (E) S, W

9. If both L and S are reduced, which one of the following could be a pair of areas of expenditure both of which are reduced?
   (A) G, M
   (B) G, P
   (C) N, R
   (D) N, W
   (E) P, S

10. If R is not reduced, which one of the following must be true?
    (A) G is reduced.
    (B) N is not reduced.
    (C) P is reduced.
    (D) S is reduced.
    (E) W is not reduced.

11. If both M and R are reduced, which one of the following is a pair of areas neither of which could be reduced?
    (A) G, L
    (B) G, N
    (C) L, N
    (D) L, P
    (E) P, S

12. Which one of the following areas must be reduced?
    (A) G
    (B) L
    (C) N
    (D) P
    (E) W

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