

## Relations-and-Functions - Class XI

### Related Questions with Solutions

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#### Questions

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##### Question: 01

If  $n(A) = 4$ , then find number of subsets of  $P(A)$ .

- A.  $2^4$
- B.  $2^8$
- C.  $2^{16}$
- D.  $2^{32}$

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#### Solutions

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##### Solution: 01

$$n(A) = 4 \Rightarrow n(P(A)) = 2^4 = 16$$

Hence number of subsets of  $P(A) = 2^{16}$

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#### Correct Options

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Answer:01

Correct Options: C