

Series Completion Questions and Answers for Competitive Exams Pdf

In each of the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

Question: 1

1, 3, 7, 15, 27, 63, 127

(A) 7

(B) 15

(C) 27

(D) 63

Ans: C

The sequence is +2, +4, +8 i.e. $+2, +2^2, +2^3, \dots$

So, 27 is wrong and must be replaced by $(15 + 2^4)$ i.e. $(15 + 16)$ or 31.

Question: 2

1, 5, 9, 16, 25, 37, 49

(A) 37

(B) 25

(C) 15

(D) 9

Ans: C

The given sequence is a combination of two series:

I. 1, 9, 25, 49 and

II. 5, 15, 37

The pattern in I is +8, +16, +24.

So, 16 is wrong and must be replaced by $(4^2 + 1)$ i.e. 17.

Question: 3

16, 22, 30, 45, 52, 66

(A) 30

(B) 45

(C) 52

(D) 68

Ans: B

The correct sequence is +6, +8, +10, + 12, + 14.

So, 45 is wrong and must be replaced by $(30 + 10)$ i.e. 40.

Question: 4

15, 16, 22, 29, 45, 70

(A) 70

(B) 45

(C) 22

(D) 16

Ans: C

The pattern is +1, +4, +9, +16, +25, .. i.e. $+1^2$, $+ 2^2$, $+ 3^2$, $+ 4^2$, $+ 5^2$, ...

So, 22 is wrong and must be replaced by $(16 + 4)$ i.e. 20.

Question: 5

8, 13, 21, 32, 47, 63, 83

(A) 47

(B) 32

(C) 21

(D) 13

Ans: A

The sequence is +5, +8, +11,

47 is wrong and must be replaced by $(32 + 14)$ i.e. 46.

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