

# Analogy

## REASONING WORKBOOK

### WHAT IS ANALOGY?

In such type of problems a particular relationship is followed between two pairs of letters, words, numbers, group of numbers, group of letters given on the either side of : . Student has to identify the relationship and choose the correct answer from the given four options followed by the question.

### EXAMPLE

1. In the following question, there is a pair of numbers on either side of the sign "::". Each pair is connected in the same way. One number of a pair is missing and marked '?'. Identify the relationship and choose a number from given alternatives that can replace the mark'?. -++++++
- 5 : 126 :: 4 : ?
- (a) 16                      (b) 64                      (c) 65                      (d) 120

#### Explanation (c):

The rule used is  $x : x^3 + 1$

That is on either side of :: second number = (1st number)<sup>3</sup> + 1

2. BEGK is related to ADFJ in the same way as PSVY is related to ?
- (a) LOQT                      (b) ROUX                      (c) OTUZ                      (d) ORUX

#### Explanation (d):

Clearly, each letter of the first group in a pair is moved one step backward to obtain the corresponding letter of the second group.

B	E	G	K	P	S	V	Y
-1↓	-1↓	-1↓	-1↓	-1↓	-1↓	-1↓	-1↓
A	D	F	J	O	R	U	X