SHREE VASISHTHA VIDHYALAYA

Computer Worksheet 2025-26

Name: _Answer key_ Std :- II -

Roll No. ___ Worksheet No: PA2-05 Date:-

Q-1 Fill in the blanks.

Patterns,	problem,	decoding,	coding,	repeating,	growing

1) Decomposition is breaking down of a _problem_ into smaller parts.

2) _Coding_ is the representation of the information using symbols or pictures.

3) _Patterns_ are regular arrangements of lines, shapes and colors.

4) _Growing_ patterns and _Repeating_ patterns are two types of patterns.

5) _Decoding_ is converting the information back to its original form.

Q-2 Tick '✓' the correct option.

1) Patterns are regular _____ of lines, shapes and colors.

   a) Answer   b) Arrangements   c) Control

2) Complete the following pattern 1, 12, 123, 1234, 12345, _____.

   a) 123   b) 12334   c) 123456

3) When something is added to the pattern, it is called _____ pattern.

   a) Crop   b) Growing   c) Skew

4) Complete the following pattern A, AB, AC, AD, _____.

   a) AF   b) AE   c) AG

5) Complete the following pattern @, &, @@, &, @@@, &, _____.

   a) &   b) @@@@   c) &&

6) When we represent information using symbols/pictures, it is called _____.

   a) Coding   b) Decoding   c) None

Q-3 Write True or False.

1) Growing pattern does not add anything to itself. _False_

2) Decomposition is building up of a problem. _False_

3) We use decomposition in our daily lives too. _True_

4) Information represented using symbols is called coding. _True_

Q-4 Circle the correct answer.

1) **Decomposition** / Composition is breaking down of a problem.

2) Converting the information back to its original form is called Coding / **Decoding**.

3) **Repeating** / Instructions pattern repeats itself over and over again.

4) Patterns are irregular / **regular** arrangements of lines, shapes and colors.