## **Pattern & Sequences**

## Worksheet-1

## 1. Complete the pattern in the given series:

- 1, 3, 5, 7, \_\_\_\_, \_\_\_, \_\_\_\_
- 2, 5, 8, 11, \_\_\_\_, \_\_\_\_, \_\_\_\_
- 11, 21, 31, 41, \_\_\_\_, \_\_\_\_, \_\_\_\_
- 31, 34, 37, 40, \_\_\_\_, \_\_\_\_, \_\_\_\_
- 51, 56, 61, 66, \_\_\_\_, \_\_\_\_, \_\_\_\_
- 4, 8, 16, 32, \_\_\_\_, \_\_\_,
- 19, 29, 39, 49, \_\_\_\_, \_\_\_, \_\_\_\_
- 7, 12, 17, 22, \_\_\_\_, \_\_\_,
- 2, 7, 12, 27, \_\_\_\_, \_\_\_\_, \_\_\_\_

## 2. Write the next four terms in each sequence:

- 0, 3, 6, 9, \_\_\_\_, \_\_\_, \_\_\_, \_\_\_\_.
- 4, 9, 14, 19, \_\_\_\_, \_\_\_, \_\_\_\_, \_\_\_\_.
- 10, 15, 20, 25, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_\_.
- 18, 25, 32, 39, \_\_\_\_, \_\_\_\_, \_\_\_\_\_.
- 40, 35, 30, 25, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_.
- 70, 60, 50, 40, \_\_\_\_, \_\_\_\_, \_\_\_\_.
- 2, 4, 8, 16, \_\_\_\_, \_\_\_, \_\_\_\_, \_\_\_\_.
- 5, 10, 20, 40, \_\_\_\_, \_\_\_\_, \_\_\_\_\_.

3. Complete the following sequence of numbers by spotting the pattern.

(i) 4, 7, 10, \_\_\_\_\_, 16, \_\_\_\_\_, 22.

(ii) 1, \_\_\_\_, 9, 27, 81

(iii) 10, \_\_\_\_\_, 30, 40, \_\_\_\_\_, 60, \_\_\_\_\_, \_\_\_\_.

(iv) 38, 35, 32, \_\_\_\_, 23, 20, \_\_\_\_, 14.