

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/
MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

PROGRAMMING IN C

[Time : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. State a Constant.
2. Define Pointer.
3. Index of an array a[10] starts from and ends with
4. What is mean by a String ?
5. Define a structure.

(5 × 2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Write the rules for forming variable names with two valid and invalid examples.
2. Explain the syntax of while loop with example.
3. Describe the syntax of a function with one example.
4. Explain the different argument passing methods in functions.
5. Describe one dimensional and two dimensional arrays with example declarations.
6. Write a C program to find out the smallest element from an array of "N" elements.
7. Write a function to copy a string to another without using strcpy(). Also write the main program to call the function.

(5 × 6 = 30)