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

OBJECT ORIENTED PROGRAMMING THROUGH 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. Define enumerated datatype in C++
 - 2. Define default argument.
 - 3. What is the use of constructors in C++ classes?
 - 4. Discuss composition in C++
 - 5. Define multiple inheritance in C++

 $(5 \times 2 = 10)$

PART — B

(Maximum marks: 30)

- II Answer any five of the following questions. Each question carries 6 marks.
 - 1. Write a short note on the basic structure of a C++ program.
 - 2. Discuss structure as heterogeneous aggregate.
 - 3. Explain different parameter passing methods in C++
 - 4. What are the limitations of operator overloading?
 - 5. Explain multilevel inheritance with example
 - 6. Write a note on class templates in C++
 - 7. Discuss pure virtual functions in C++

 $(5 \times 6 = 30)$

P.T.O.

[51]

(b) Discuss how to use multiple catch statement for handling exception in C++

9

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