

Day: Thursday
Date: 02/05/2019

S-2019-2100

Time: 10.00 AM TO 01.00 PM
Max. Marks: 70

N.B.:

- 1) Q. No. 1 is **COMPULSORY**.
 - 2) Attempt any **FOUR** questions from **Q. No. 2 to Q. No. 7**.
 - 3) Figures to the right indicate **FULL** marks.
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Q.1 What do you know about overloading and overriding? Distinguish between them. **(14)**

Q.2 Explain inheritance and polymorphism with help of example. **(14)**

Q.3 Explain constructor and destructor along with its purpose with example. **(14)**

Q.4 a) What is friend function? Explain with example. **(07)**

b) Briefly describe how 'cin' and 'cout' works. **(07)**

Q.5 What do you understand by call by value, call by address, and call by reference. Illustrate with example. **(14)**

Q.6 a) Explain memory management functions in C++. **(07)**

b) Explain virtual base class and abstract class. **(07)**

Q.7 Write short notes on any **TWO** of the following: **(14)**

a) Object

b) Class

c) Encapsulation

d) Data Abstraction

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