Prog. using C++ _ Sem 1 _ Exam Jun 2019

## D107/P131/CMP503/EE/201905

**Time : 3 Hours**        **Marks : 80**

**Instructions :**

1. All Questions are Compulsory.

2. Each Sub-question carry 5 marks.

3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.

4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

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1. Solve any **four** sub-questions.

   a) Write short note on Comments.    5

   b) What are abstract classes?    5

   c) Write a short note on manipulators with example    5

   d) What are constant objects?    5

   e) Write a short note on virtual functions.    5


2. Solve any **four** sub-questions.

   a) Explain function prototyping.    5

   b) Explain different file modes with its syntax.    5

   c) List the rules of operator overloading.    5

   d) Write characteristics of Constructor Function.    5

   e) Explain pointers to derived classes.    5


3. Solve any **four** sub-questions.

   a) List the different types of constructors. Explain any two in details.    5

   b) Explain polymorphism with an example.    5

   c) Write a short note on memory allocation for objects.    5

   d) Short note on STL.    5

   e) Explain Hierarchical inheritance.    5

4.   Solve any **four** sub-questions.

   a)   Explain exceptions in constructors and destructors.                    5

   b)   Explain friendly functions.                                            5

   c)   Write a short note on exception handling.                              5

   d)   Write short note on inheritance and explain with example.             5

   e)   Write a short note on Templates.                                       5

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