

**2021**  
**MATHEMATICS GENERAL**  
**SEMESTER-5**  
**Course: SECA**  
**(Object Oriented Programming in C++)**  
**Internal Assessment**  
**Full Marks: 10**

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Notations and symbols have their usual meaning.

Choose the correct alternative with proper justification.

5x2=10

- 1) What happens to a function defined inside a class without any complex operations?
  - a) It becomes a virtual function of the class
  - b) It becomes a default calling function of the class
  - c) It becomes an inline function of the class
  - d) The program gives an error
- 2) When we define the default values for a function?
  - a) When a function is defined
  - b) When a function is declared
  - c) When the scope of the function is over
  - d) When a function is called
- 3) If an argument from the parameter list of a function is defined constant then
  - a) It can be modified inside the function
  - b) It cannot be modified inside the function
  - c) Error occurs
  - d) Segmentation fault
- 4) How many parameters does a default constructor require?
  - a) 0
  - b) 1
  - c) 2
  - d) 3
- 5) What is the role of destructors in classes?
  - a) To modify the data whenever required
  - b) To initialize the data members of an object when it is created
  - c) To call private functions from the outer world
  - d) To destroy an object when the lifetime of an object ends