

# ASUTOSH COLLEGE

6<sup>th</sup> Semester Examination 2021-2022

B.Sc. Gen in Computer Science (Under University of Calcutta)

**Paper Name: Object Oriented Programming**

**Paper Code: CMS-G-DSE-A-5-2-TH**

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practice

Time: 2 Hrs

Full Marks: 30

## Group-A

1. Answer the following questions (**Any 4**): 4x1.5=6
- What is byte code?
  - What are default modifiers for interface methods?
  - What is meant by inheritance?
  - What is the difference between String and StringBuffer class?
  - Define instance variables.
  - When is a constructor called? Before or after creating the object?
  - What is method overloading?

## Group-B

### (Answer any 4)

- Differentiate between C++ and Java. 6
- What is an access specifier? List down the access specifiers available in Java. 2+4
- Explain static block and static methods with an example. 6
- Differentiate between Class and Interface. Write suitable example. 6
- What is the use of this keyword? Explain with an example. 2+4
- Write down the difference between Default Constructor and Parameterized Constructor 6
- What is the use of final keyword? Explain with an example. 2+4
- Explain applet life cycle with the help of an example 6