

SANT GADGE BABA AMRVATI UNIVERSITY, AMRAVATI
Summer Examination 2020
HVPM's College of Engineering and Technology, Amravati
Department of Electronics & Tele communication Engineering
Bachelor of Engineering Sem. :- III

Subject :- Computer Programming & applications (CPA)

Code :- 3XT02

Instructions:-

- 1) Solve any two questions**
- 2) All question carry equal marks**

Question 1

- 1) What do you mean by object oriented programming? How does it differ from procedural oriented programming? 02 Credit Point
- 2) What is functions Prototyping ? 02 Credit Point
- 3) State any eight rules for overloading operators 02 Credit Point
- 4) Write a program for single inheritance. 02 Credit Point
- 5) Explain Newton Raphson method. 01 Credit Point
- 6) What is the formula of trapezoidal rule? 01 Credit Point

Question 2

- 1) What is object oriented programming ? Enlist the features of object oriented programming. 02 Credit Point
- 2) What are the different data types in C ++ 02 Credit Point
- 3) Write a program for Arithmetic Operator Overloading 02 Credit Point
- 4) Write a program for multiple inheritance. 02 Credit Point
- 5) What is the formula of secant method? 01 Credit Point
- 6) What is meant by trapezoidal rule? 01 Credit Point

Question 3

- 1) What is C++ ? what are the advantages of C++ 02 Credit Point
- 2) Explain insertion and extraction operations in C ++ ? 02 Credit Point
- 3) What are friendly function? Give the characteristics of a friend function. 02 Credit Point
- 4) Write a program for multi level inheritance. 02 Credit Point
- 5) How is Newton Raphson method derived? 01 Credit Point
- 6) What is Simpson's 1/3rd rule? 01 Credit Point

Question 4

- 1) Differentiate between traditional procedural programming approach and object oriented programming approach. 02 Credit Point
- 2) Explain Function .Write Program for addition of two number using Function. 02 Credit Point
- 3) What is operator overloading? Explain with suitable example. 02 Credit Point
- 4) Write a program for hybrid inheritance. 02 Credit Point
- 5) What is Newton Raphson Method example? 01 Credit Point
- 6) What is Simpson's 3/8 rule formula? 01 Credit Point