

No. of Printed Pages : 03

Roll No.

D-2

B. Tech. EXAMINATION, Dec. 2018

(Fifth Semester)

(B. Scheme) (Main & Re-appear)

(EEE, ECE)

CSE204B

OBJECT ORIENTED PROGRAMMING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit.

(2-06/22) M-D-2

P.T.O.

Unit A

1. Explain the following in reference to C++ :
 - (i) Preprocessor Directives
 - (ii) Standard Library
 - (iii) Access modifiers. **15**
2. Compare the following with appropriate example :
 - (i) Object and Classes
 - (ii) Procedure and object oriented programming
 - (iii) Generalization and inheritance. **15**

Unit B

3. Explain the following terms in reference to object oriented software engineering :
 - (i) Interaction Modeling
 - (ii) Aggregation
 - (iii) Polymorphism. **15**
4. Explain the process of operator overloading along with restrictions on operator overloading. Take appropriate example to explain the same. **15**

M-D-2

2

Unit C

5. Draw and explain the following types of Interaction diagram with appropriate example :
 - (i) Sequence Diagram
 - (ii) Collaboration Diagram
 - (iii) Component Diagram. **15**
6. Draw and explain design of software using object oriented modelling by taking example of railway reservation system. **15**

Unit D

7. Explain object oriented methodologies for structured analysis and structured design of software systems. Also discuss input and output streams. **15**
8. Write short notes on the following :
 - (i) Exception handling
 - (ii) Destructor. **15**

(2-06/23) M-D-2

3

270