MCA/M06 Object Oriented Systems and C++ MCA -205

| Time: 3 Hours MM:50 | | | |) | |
|--|---|---|----------|----------|--|
| Note:- Attempt Five questions in all, selecting at least One question from each unit. UNIT-I | | | | | |
| 1 | (a) (b) | | 4+3+3=10 | | |
| 2 | What i | is object oriented methodology? What are its main advantage | es? 1 | 0 | |
| 3 | Disting (a) (b) | guish between:- Object and class diagrams Static and dynamic OMT models | 5*2=10 |) | |
| | | UNIT-II | | | |
| 4 | Explai (a) (b) | n the following concepts with examples:- Functional model Levels of abstraction in functional model | 5*2=10 | . | |
| | (0) | Levels of abstraction in functional model | 3.77-10 | , | |
| 5 | (a) (b) | In the following concepts for a dynamic model:- State diagram Scenarios | | | |
| | (c) | Events | 4+3+3= | =10 | |
| 6 | What a | are Object modeling techniques? Give examples. | | 10 | |
| UNIT-III | | | | | |
| 7(a) (b) | | is a virtual function? What is their need? Give illustrative exacentiate between template class and class template. | ample. | 5 5 | |
| 8 | Write | a program in C++ to overload output operator '<<' | | 10 | |
| 9 | What is a constructor? What are its advantages? How is the concept of constructor related to function overloading? Explain with example. 10 | | | | |
| 10 | Explai | Explain the following:- | | | |
| | (a) (b) | Friend Function Exception handling | | | |