M.C.A. IInd Semester (New) Examination, 2021
Object Oriented Analysis, Design Programming
Paper - MCA - 204

[Maximum Marks : 100

Note :- All questions from each section carry equal marks. All questions are compulsory and answer limit are approximately 250 words. Start the answer of each section from new page. Maximum limit of pages of answer booklet are approximately 16 pages. Answer should be written by the student in his/her own handwriting mandatory. The first page of answersheet should be download by the student from university website www.bubhopal.ac.in is mandatory.

1. (a) Describe data types in C++ in details.
   (b) List out the features of OOP. Explain any two of them.

2. (a) Demostrate virtual base class with example.
   (b) Differentiate between multilevel and multiple inheritance.

3. (a) Write a C++ program using inline function.
   (b) Explain about call by reference and return by reference with program.

4. (a) Write a C++ program using this pointer.
   (b) Explain the process of a open, read, write & close files.

5. (a) Explian about unified process ?
   (b) Write with an example and explain all the use case relationship.

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