

Register Number.....

M.C.A. DEGREE EXAMINATIONS: OCTOBER/NOVEMBER 2008

Second Semester

P07CA202: Object Oriented Programming

Time: Three hours

Maximum Marks: 100

Answer ALL Questions: -

PART A (20 × 1 = 20 Marks)

1. _____ of every name and expression determines the operations that may be performed on it.
A. Function B. Data type C. Declaration D. Size
2. A set of related procedures with the data they manipulate is called as
A. program B. software C. statement D. module
3. The constructor is called whenever _____ is created.
A. object B. class C. variable D. constant
4. Virtual function is used in
A. encapsulation B. abstraction C. polymorphism D. data hiding
5. The method of getting property of one object into another is called as
A. overloading B. Inheritance C. Construction D. destruction
6. Objects of type bool can store only the value of
A. integer B. float C. Char D. true or false
7. Macro type definition can be created using
A. inline B. static C. object D. class
8. this pointer is used to refer to
A. first object B. current object C. a member variable D. a member function
9. The type of parameter in the copy constructor is
A. the current class B. integer C. float D. void
10. The place of assigning a value to the default parameter is
A. class B. function calling C. function definition D. main program
11. A friend function of a class can access _____ members of that class
A. private only B. public only C. all members D. member functions only
12. new is
A. an operator B. a function. C. a variable D. type
13. Using statement is used to support
A. name spaces B. expression C. function D. variable
14. Pure virtual function is used in
A. base class B. derived class C. abstract class D. friend class
15. A typename is
A. keyword B. variable C. constant D. array name

16. terminate() is invoked during
A. destroying object B. throwing an unhandled exception C. throwing a handled exception D. overloading
17. An example of a concrete type is
A. int B. date C. variable D. class
18. A set of implementation of a common concept is known as
A. data hiding B. overloading C. abstract type D. inheritance
19. _____ class provides a wider interface to its users
A. Base B. Derived C. Friend D. Node
20. A code that establishes _____ into which the application builder fits application specific code as building blocks.
A. application function B. application framework C. application software D. system software

PART B (5 × 16 = 80 marks)

21. (a) Explain in detail about modular programming.
(OR)
21. (b) Discuss in detail about object oriented programming.
22. (a) What is friend function? Explain it in detail with example.
(OR)
22. (b) What is pointer? Explain it related to object and derived types.
23. (a) Write a program for matrix operations using overloading concept.
(OR)
23. (b) (i) What are the rules for inline function?
(ii) Explain overloading of the comma operator with example.
24. (a) How do pass parameters from derived class to base class? Explain with example.
(OR)
24. (b) Explain the following with example.
(i) Restricting exception
(ii) Rethrowing exception
25. a) What is concrete type? How do you reuse concrete type?
(OR)
25. (b) What is handle class? Explain in detail about operations in handle classes.
