

M.C.M. (Part-I) Semester-I Examination
OBJECT ORIENTED PROGRAMMING
Paper-1 MCM 3

Time : Three Hours]

[Maximum Marks : 80

Note :—(1) All questions are compulsory.

(2) Use suitable data wherever necessary.

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| 1. | (a) What is inline function ? Explain with example. | 6 |
| | (b) Explain different datatype with example. | 6 |
| | (c) Explain the concept of Call by Value. | 4 |

OR

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| 2. | (a) List any 4 string handling functions and explain each with syntax and example. | 8 |
| | (b) Explain Do-While loop. | 4 |
| | (c) Write a program to print largest of 3 numbers. | 4 |
| 3. | (a) Explain Destructor with Syntax and example. | 8 |
| | (b) Define operator overloading. How unary minus operator is overloaded ? | 8 |

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| 4. | (a) Explain the concept of class and object by illustrating it with example. | 8 |
| | (b) Explain friend function with example. | 8 |
| 5. | What are the different forms of inheritance ? Give example of each. | 16 |

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| 6. | (a) What do you mean by Virtual base class ? Explain with example. | 8 |
| | (b) Explain construction in derived class with example. | 8 |
| 7. | (a) Explain the following with example :
(1) put().
(2) get().
(3) write().
(4) read(). | 8 |
| | (b) Explain the concept of exception handling. | 8 |

OR

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| 8. | (a) Explain the following functions :
(1) open()
(2) close()
(3) cof(). | 6 |
| | (b) Explain error handling functions. | 4 |
| | (c) Explain Detecting end of file with example. | 6 |
| 9. | (a) Explain with example pointers to objects. | 8 |
| | (b) Write a program to show arithmetic operations on pointers. | 8 |

OR

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| 10. | (a) Discuss in detail this pointer. | 6 |
| | (b) Explain arrays of pointers. | 6 |
| | (c) Write a program to show use of pointers. | 4 |

