

Register Number :

Name of the Candidate :

6 6 2 0

B.Sc. DEGREE EXAMINATION, 2008

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART - III)

(PAPER - VIII)

**230. OBJECT ORIENTED
PROGRAMMING USING C++**

(Revised Regulations)

December]

[Time : 3 Hours

Maximum : 100 Marks

PART – A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Explain the structure of C + + program.
2. Explain manipulators.
3. Discuss about library functions.

Turn over

- 4. When do we need to use default arguments in a function?
- 5. What is containership? How does it differ from inheritance?
- 6. What is virtual base class?
- 7. Explain console user interaction.
- 8. Describe the various classes available for file operations.
- 9. Explain linked list.
- 10. Discuss push and pop operation in stack.

PART – B (3 × 20 = 60)

*Answer any THREE questions.
All questions carry equal marks.*

- 11. (a) Explain operators in detail. (10)
- (b) Explain expressions and their types. (10)
- 12. (a) What are the advantages and function of prototypes in C++? (10)
- (b) What is the advantage of passing arguments by reference? (10)

- 13. Explain the different forms of inheritance with suitable program. (20)
- 14. (a) What is the difference between opening a file with a constructor function and opening a file with open () function? Explain (15)
- (b) Write a C++ program to create a data file. (5)
- 15. Explain circular and doubly linked list in detail with example. (20)

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4. Explain the various file operations.
5. Write short notes on UNIX I/O system.
6. Explain the UNIX user interface.
7. Write the history of Windows NT system.
8. Explain the NT system components.
9. Discuss the Linux security system.
10. Discuss Linux kernel modules.

PART – B (3 × 20 = 60)

*Answer any THREE questions.
All questions carry equal marks.*

11. Describe the evaluation of an operating system.
12. Explain the various file allocation methods.
13. Discuss about UNIX file system in detail.
14. Describe the NT environmental subsystem.
15. Explain the Linux network structure.

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(PART - III)

(PAPER - VII)

220 / 250 / 210. OPERATING SYSTEMS

*(Common with B.Sc. - IT - Revised
Regulations and B.C.A. Revised Regulations)*

December]

[Time : 3 Hours

Maximum : 100 Marks

PART – A (8 × 5 = 40)

*Answer any EIGHT questions.
All questions carry equal marks.*

1. Explain the concept of buffering and spooling.
2. Explain the life cycle of a process.
3. Discuss the characteristics of deadlock.

Turn over