Roll No.				Total No. of Pages : 02

Total No. of Questions: 18

B.Tech.(CSE/IT) (2011 onwards) (Sem.-4)
SYSTEM PROGRAMMING
Subject Code: BTCS-405

M.Code: 56608

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Answer briefly:

- 1. List the different phases of the compiler.
- 2. What are the advantages of the Macro?
- 3. Define MDT and MNT.
- 4. What is the difference between Compiler and Assembler?
- 5. Define Semantic analysis.
- 6. What is constant folding?
- 7. What is lexeme?
- 8. Define the term device driver.
- 9. What is difference between application and system software?
- 10. What are the limitations of the absolute loader?

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SECTION-B

- 11. Write a note on intermediate code generation in compiler.
- 12. What is linker? Explain the different linking scheme.
- 13. Explain the use of data structures in the assembler.
- 14. Differentiate between screen editor and word processor.
- 15. What is loader? Explain the working of the absolute loader.

SECTION-C

- 16. Explain the two-pass assembler in detail with block diagram.
- 17. What is Macro? Why do we use macro? Explain the macro expansion with assembly code.
- 18. What is Debugger? Explain the various debugging techniques in detail.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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