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Roll No.		Total No. of Pages:02
Total No. of Q	uestions:18	
	B.Tech.(CSE/IT) (2011	1 onwards) (Sem.–4)
	SYSTEM PRO	OGRAMMING
	Subject Code	e:BTCS-405
	M.Code	: 56608
Time o i O Ilmo		Max Marka . CO

Time: 3 Hrs.

Max. Marks: 60

## **INSTRUCTION TO CANDIDATES :**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks 1. each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students 2. have to attempt any FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students 3. have to attempt any TWO questions.

# **SECTION-A**

## Answer briefly :

- ercorr List the different phases of the compiler. 1
- 2. What are the advantages of the Macro?
- 3. Define MDT and MNT.
- What is the difference between Compiler and Assembler? 4.
- Define Semantic analysis. 5.
- 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.