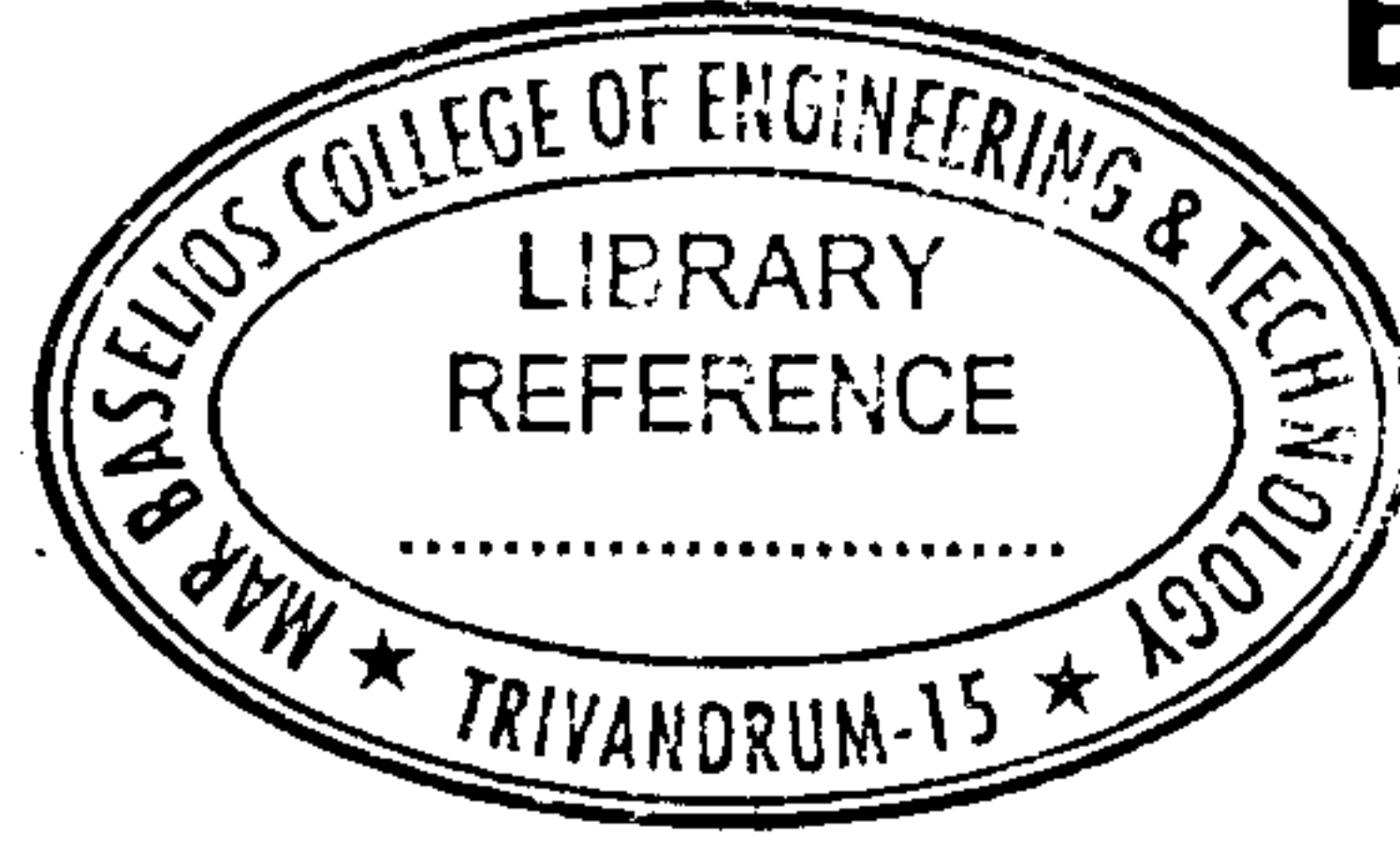




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**B – 5353**



Reg. No. : .....

Name : .....

**Seventh Semester B.Tech. Degree Examination, February 2017  
(2008 Scheme)**

**08.705C : PRINCIPLES OF PROGRAMMING LANGUAGES (F)**

Time: 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions. **Each** question carries **4** marks.

1. What is binding time ?
2. Distinguish between enumeration controlled loops and logically controlled loops.
3. What are continuations ? What other language features do they subsume ?
4. What is a dope vector ? What purpose does it serve ?
5. Briefly explain register window.
6. Differentiate generic subroutine and a macro.
7. What is a conformant array ?
8. Differentiate static and dynamic link.
9. What is a scripting language ?
10. What is busy waiting ?

**PART – B**

Answer **one full** question from **each** Module. **Each** question carries **20** marks.

**Module – I**

11. Explain storage allocation mechanisms. 20
- OR
12. a) Explain data type compatibility with suitable examples. 10
- b) Explain dangling reference with eg. 10

P.T.O.



**Module – II**

13. a) Explain subroutine nesting with figure. 5  
b) Write short notes on : 15  
    a) Encapsulation.  
    b) Inheritance.  
    c) Polymorphism with example.

OR

14. Explain :  
a) High order functions. 8  
b) Parameter passing by reference and parameter passing by value. 12

**Module – III**

15. a) Discuss the various multiprocessor architecture. 10  
b) Briefly explain string and pattern manipulation. 10

OR

16. a) Explain virtual machines. 10  
b) Explain the implementation of threads. 10
-