Roll No. ⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜   Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE/IT)   (Sem.–4)
SYSTEM PROGRAMMING
Subject Code : BTCS-405
M.Code. : 56608
Date of Examination : 09-07-22

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. **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. What are macro processors?

2. Differentiate between Assembler and Interpreter?

3. What is code generation?

4. Write a short note on dynamic binding?

5. What are the advantages of relocating loaders?

6. Write need of DOS editor?

7. What are the contents of literal table?

8. Write any one use of compiler.

9. Briefly explain LEX.

10. Write about vi editor.

SECTION-B

11. Write a short note on recursive macro expansion.

12. Discuss how Linkers are used in System Programming.

13. Give the example of concept of code optimization in System programming.

14. Write the concept of lexical analysis in compiler design.

15. Discuss about editors. What are its types?

SECTION-C

16. Write the design procedure of a two pass assembler with the help of a suitable block diagram.

17. Discuss how loaders are used in System Programming. Write about various loading schemes.

18. What is debugger? Discuss various debugging techniques used in system Programming.

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.