

B.Tech. SEM -IV (Computer) 2014 Course (CBCS) : WINTER - 2018

SUBJECT-SYSTEMS PROGRAMMING

Day: Thursday
Date: 15/11/2018

W-2018-2339

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

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- Q.1** List and Explain the language processing activities in detail. (10)
OR
Draw a flowchart and Write an algorithm for Pass-I of a two pass Assembler. Also describe the databases used in Pass-I. (10)
- Q.2** Define Macro Illustrate the process of Macro expansion with example. List features of Macro facility. (10)
OR
a) Distinguish between Macro call and the Function call. (05)
b) Explain the use of Stack in Nested macro call. (05)
- Q.3** Define Loader .Explain various functions of Loader in detail. (10)
OR
a) Distinguish between Compile and Go loader and Relocating loader. (05)
b) List advantages and disadvantages of binding at load time over binding at assembly time. (05)
- Q.4** Draw a neat diagram and Explain structure of Compiler. (10)
OR
Explain the term Parsing. Explain LR parser in detail. (10)
- Q.5** Define Operating system. Explain different components of Operating systems. (10)
OR
Explain in detail features of UNIX file system. (10)
- Q.6** Describe steps involved in installation of line printer. (10)
OR
Define Device drivers. Describe its different types. (10)