

Code :R7311504

R7

III B.Tech I Semester(R07) Supplementary Examinations, May 2011
SYSTEMS PROGRAMMING

(Computer Science & Systems Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions
All questions carry equal marks

1. (a) Define INT instruction. Explain with examples.
(b) How does the INT instruction affect the stack?
(c) How does IRET instruction affect the stack?
2. Explain SHORT, NEAR and FAR addressing types in JMP instructions with suitable examples.
3. Using string operations implement procedures for reversing a string, copying a string and length of a string.
4. (a) Explain the design overview of macro processor.
(b) Explain the PURGE directive.
5. Briefly discuss about DOS Interrupt 21H for keyboard input.
6. (a) What is the purpose of file control Block and explain its structure?
(b) Explain sequential reading of a Disk file.
7. Explain briefly any eight BIOS Hard Disk functions.
8. Write short notes on:
 - (a) Assembler
 - (b) Loader
 - (c) Compiler
 - (d) Macro instructions.
