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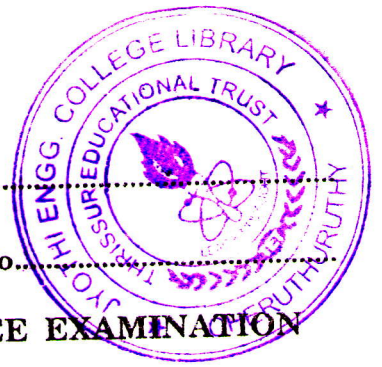
FOURTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION JUNE 2008

CS/IT 2K 402—SYSTEM PROGRAMMING

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

I. (a) Write short notes on Addressing Modes and Registers of power PC Architecture.

   (b) Write short notes on Assembler features.

   (c) Write short notes on program linking.

   (d) Write short notes on Automatic library.

   (e) Write short notes on shell.

   (f) Write short notes on system programs.

   (g) Write short notes on enceptions ?

   (h) Write short notes on processor states.

$(8 \times 5 = 40$ marks)

Part B

II. (a) Explain the Architecture of SK machine.

Or

   (b) Write about machine Independent assembler features.

III. (a) Explain machine Dependent loader options.

Or

   (b) Explain Machine independent Macroprocessor features with example (i.e.) Assembly language program.

IV. (a) Explain in detail about parallel and distributed systems.

Or

   (b) Explain any *three* components.

V. (a) Write about process execution levels and process environment in UNIX.

Or

   (b) Write about contents of a processor, processor states and overview of files.

$(4 \times 15 = 60$ marks)