

- Q. 6** a) Design a PDA that checks for Well Formed Parentheses. (07)
b) Give the instantaneous description of PDA. (06)
- Q. 7** a) Design a Turing Machine that finds the greatest common divisor (GCD) of two given numbers. (07)
b) What are the limitations of Turing Machine? (06)
- Q. 8** a) Explain the applications of CFG in syntax analyzer phase of compiler with suitable example. (07)
b) Write a short note on : Applications of RE and PDA. (06)

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