



(OR)

(b) (i) Explain a parsing technique. (8)

(ii) Identifier begin with a letter and may continue with any sequence of letters and digits. It may contain underscore. Draw a automaton to recognize identifiers (3)

(iii) Draw a automaton to recognize integer which is a string of digits including leading zeroes. (3)

(iv) Draw a automaton to recognize integer which does not allow leading zeroes except in the case of int zero followed by space. (2)

14. a) Explain the various garbage collection algorithms.

(OR)

14.b.Explain the pascal p-code VM with respect to its memory architecture and instruction set.

15.a. Explain the profiling process with the help of a diagram and also explain the types of profiles and explain a method for collecting profiles

(OR)

15.b. (i) Explain the classification of process virtual machines. (8)

(ii) Write short note on migration of computing environments. (8)