

(DCS 225)

B.Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the End of Second Year)

COMPUTER SCIENCE

Paper - V : File Structures

Time : 3 Hours

Maximum Marks : 75

Answer Question No.1 compulsory

(15)

Answer any ONE question from each unit

(4 × 15 = 60)

- 1) a) Define separate chaining.
b) What is Acyclic graph?
c) Describe how to find strong components?
d) Define Euler circuit.
e) What do you mean by File Structure.

UNIT - I

- 2) a) Explain hashing, Rehashing and extendible hashing.
OR
b) Explain the following :
i) Open addressing
ii) Topological sort

UNIT - II

- 3) a) Explain Kruskal's algorithm in detail.
OR
b) Explain about DFS and its applications.

UNIT - III

- 4) a) Describe the methods used for organizing records of a file.
OR
b) Explain file processing operations with example.

UNIT - IV

5) a) Explain in detail about the sorting of large files.

OR

b) Explain about indexing with large files.

