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Fifure Vision By K B Hemanth Raj

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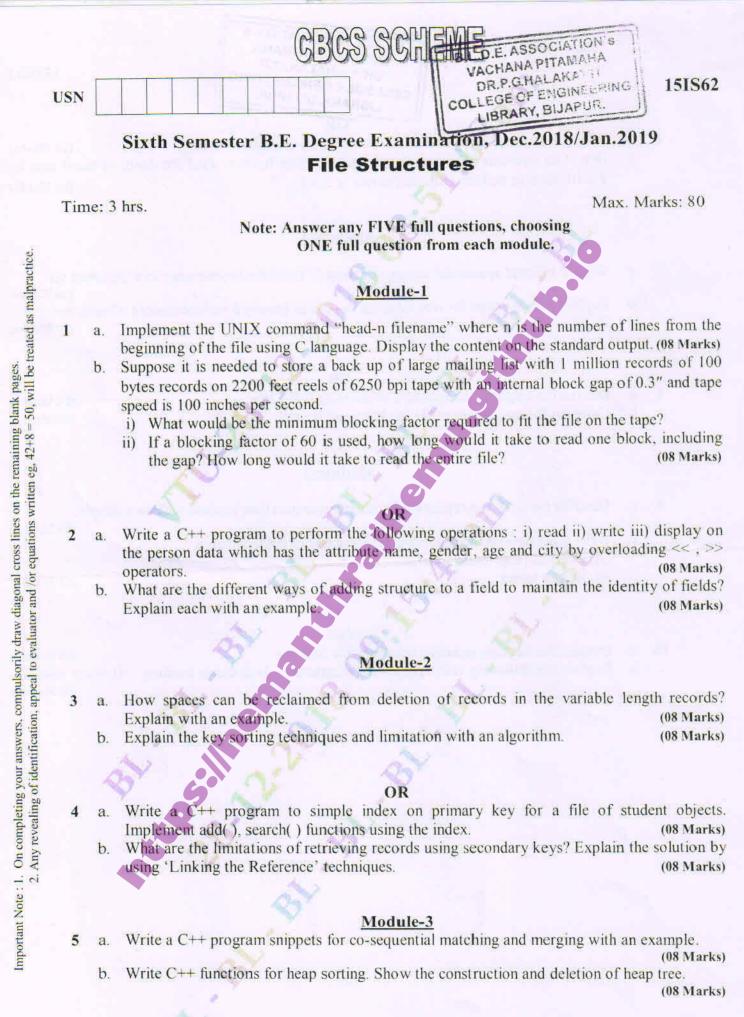
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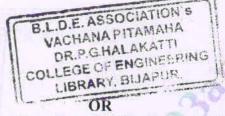
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6 a. What are B-trees? Explain with an example, the creation of B-tree. (10 Marks) b. Derive an equation for worst-case search depth in B-trees. Find the depth of the B-tree for 2×10^9 records and the order of the tree is 2048. (06 Marks)

Module-4

- 7 a. What is indexed sequential access of a record? Describe maintenance of a sequence set. (06 Marks)
 - b. Explain simple prefix B+ tree. Discuss the issues involved in maintenance of such tree.

(10 Marks)

(08 Marks)

(08 Marks)

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OR

8 a. Discuss the sequence of loading a simple prefix B+ tree.(10 Marks)b. Compare B-tree, simple prefix B+ trees and B+ tree.(06 Marks)

Module-5

- 9 a. Describe the collision resolution by progressive overflow method with an example.
 - b. Write short note on the following collision resolution techniques :
 - i) Chained progressive overflow
 - ii) Scatter tables.

OR

10a. Discuss the working principle of extendible hashing.(08 Marks)b. Explain the following with appropriate diagrams :i) dynamic hashingii) linear hashing.(08 Marks)

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