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B. Tech. Examination 2021-22**(Even Semester)****DATA STRUCTURE USING 'C'***Time : Three Hours]**[Maximum Marks : 60***Note :-** Attempt all questions.**SECTION - A**1. Attempt all parts of the following : 8 × 1 = 8

- (a) How can you represent a sparse matrix in memory?
- (b) Give some applications of stack.
- (c) Explain tail recursion.
- (d) Define full binary tree.
- (e) What is spanning tree?

[P. T. O.