**UNIVERSITY COLLEGE OF ENGINEERING (BIT CAMPUS), TIRUCHIRAPPALLI-620 024**

**Second Internal Assessment Test**

**Department of CSE / IT**

**Subject Code :** EC8393

**Subject Name :** FUNDAMENTALS OF DATA STRUCTURES IN C

**Date&Duration :** 17.09.2018 & 1.30Hrs **Marks:50**

**Degree/Branch:** B.E/ECE Sec’A’ **Year/Semester:** II / III

**PART-A**

**Answer *All* Questions 7 x 2 = 14**

1. Define function and its advantages.
2. What is null pointer with example?
3. What is pointer to pointer with simple example?
4. What is nesting of function with syntax?
5. Define recursive function.
6. Explain passing parameters.
7. What is the difference between structure and union?

**PART-B**

**Answer any three Questions 3 x 12 = 36**

1. What is structure? Explain in detail about structure with suitable example.
2. Explain in detail about pointer, declaration, initialization and its accessing with an example.
3. What are all the storage classes available in ‘C’ and explain those in details with suitable examples?
4. What are all the preprocessor available in ‘C’ and explain those in details with suitable examples?

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