

Code No: R07A1EC01

R07**Set No. 2**

I B.Tech Examinations, December 2010
C PROGRAMMING AND DATA STRUCTURES
Common to CE, CHEM, BME, IT, AE, BT, ICE, E.COMP.E, ETM,
E.CONT.E, EIE, CSE, ECE, CSSE, EEE

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Write a program to implement pointers in multi - dimensional array? [16]
2. (a) What is a network?
(b) What is a spanning tree?
(c) Define minimal spanning tree.
(d) What are the various traversals in a tree? [4+4+4+4]
3. Write a program to sort the elements whose worst and average case are $O(n^2)$. [16]
4. How to copy one structure to another structure of a same data type, give an example? [16]
5. What do you mean by data structure? Explain about linear data structure. [16]
6. (a) Define Algorithm.
(b) What is the use of flowchart?
(c) What are the different steps followed in the program development? [3+3+10]
7. Comparison the following:
 - (a) while loop with and without function
 - (b) for loop with and without function.
 - (c) do while loop with and without function. [5+5+6]
8. (a) Write the syntax for opening a file with various modes and closing a file.
(b) Explain about file handling functions. [8+8]

Code No: R07A1EC01

R07**Set No. 4**

I B.Tech Examinations, December 2010
C PROGRAMMING AND DATA STRUCTURES
 Common to CE, CHEM, BME, IT, AE, BT, ICE, E.COMP.E, ETM,
 E.CONT.E, EIE, CSE, ECE, CSSE, EEE

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. Write a program to sort the elements whose worst and average case are $O(n^2)$. [16]
2. (a) What is a network?
 (b) What is a spanning tree?
 (c) Define minimal spanning tree.
 (d) What are the various traversals in a tree? [4+4+4+4]
3. Comparison the following:
 - (a) while loop with and without function
 - (b) for loop with and without function.
 - (c) do while loop with and without function. [5+5+6]
4. (a) Write the syntax for opening a file with various modes and closing a file.
 (b) Explain about file handling functions. [8+8]
5. (a) Define Algorithm.
 (b) What is the use of flowchart?
 (c) What are the different steps followed in the program development? [3+3+10]
6. Write a program to implement pointers in multi - dimensional array? [16]
7. How to copy one structure to another structure of a same data type, give an example? [16]
8. What do you mean by data structure? Explain about linear data structure. [16]

Code No: R07A1EC01

R07**Set No. 1**

I B.Tech Examinations, December 2010
C PROGRAMMING AND DATA STRUCTURES
 Common to CE, CHEM, BME, IT, AE, BT, ICE, E.COMP.E, ETM,
 E.CONT.E, EIE, CSE, ECE, CSSE, EEE

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. Write a program to implement pointers in multi - dimensional array? [16]
2. Comparison the following:
 - (a) while loop with and without function
 - (b) for loop with and without function.
 - (c) do while loop with and without function. [5+5+6]
3. (a) What is a network?
 (b) What is a spanning tree?
 (c) Define minimal spanning tree.
 (d) What are the various traversals in a tree? [4+4+4+4]
4. (a) Define Algorithm.
 (b) What is the use of flowchart?
 (c) What are the different steps followed in the program development? [3+3+10]
5. How to copy one structure to another structure of a same data type, give an example? [16]
6. (a) Write the syntax for opening a file with various modes and closing a file.
 (b) Explain about file handling functions. [8+8]
7. What do you mean by data structure? Explain about linear data structure. [16]
8. Write a program to sort the elements whose worst and average case are $O(n^2)$. [16]

Code No: R07A1EC01

R07**Set No. 3**

I B.Tech Examinations, December 2010
C PROGRAMMING AND DATA STRUCTURES
Common to CE, CHEM, BME, IT, AE, BT, ICE, E.COMP.E, ETM,
E.CONT.E, EIE, CSE, ECE, CSSE, EEE

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Write a program to sort the elements whose worst and average case are $O(n^2)$. [16]
2. What do you mean by data structure? Explain about linear data structure. [16]
3. (a) Write the syntax for opening a file with various modes and closing a file.
(b) Explain about file handling functions. [8+8]
4. Comparison the following:
 - (a) while loop with and without function
 - (b) for loop with and without function.
 - (c) do while loop with and without function. [5+5+6]
5. (a) What is a network?
(b) What is a spanning tree?
(c) Define minimal spanning tree.
(d) What are the various traversals in a tree? [4+4+4+4]
6. (a) Define Algorithm.
(b) What is the use of flowchart?
(c) What are the different steps followed in the program development? [3+3+10]
7. How to copy one structure to another structure of a same data type, give an example? [16]
8. Write a program to implement pointers in multi - dimensional array? [16]
