

Code No: R07A1EC04

R07**Set No. 2**

I B.Tech Examinations, December 2010
COMPUTER PROGRAMMING
Common to Mechanical Engineering, Mechatronics, Production
Engineering, Automobile Engineering

Time: 3 hours**Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Define expression. Write the syntax for it.
(b) What is the purpose of type cast? Explain with example.
(c) Define Keywords. What are the keywords available in 'C'? [4+4+8]
2. (a) Define tree and binary tree. Explain in detail.
(b) Define graph and its terms. Explain in detail. [8+8]
3. Define Structure and write the general format for declaring and accessing structure members with an example. [16]
4. What do you mean by exchange sorting? Explain about quick sort. [16]
5. (a) Write a 'C' program to print Pyramid of Digits in Reverse.
(b) Write a 'C' program to convert Binary Number to Decimal Number. [8+8]
6. (a) What are the operations of file?
(b) Mention the function of file. [8+8]
7. Define actual parameter and formal parameter. What is meant by global and local variable? Explain with example. [6+10]
8. (a) What are the advantages of using pointers?
(b) Explain static memory allocation. [8+8]

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R07**Set No. 4****I B.Tech Examinations, December 2010****COMPUTER PROGRAMMING****Common to Mechanical Engineering, Mechatronics, Production
Engineering, Automobile Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. (a) What are the advantages of using pointers?
(b) Explain static memory allocation. [8+8]
2. What do you mean by exchange sorting? Explain about quick sort. [16]
3. (a) Define expression. Write the syntax for it.
(b) What is the purpose of type cast? Explain with example.
(c) Define Keywords. What are the keywords available in 'C'? [4+4+8]
4. (a) Define tree and binary tree. Explain in detail.
(b) Define graph and its terms. Explain in detail. [8+8]
5. Define Structure and write the general format for declaring and accessing structure members with an example. [16]
6. (a) Write a 'C' program to print Pyramid of Digits in Reverse.
(b) Write a 'C' program to convert Binary Number to Decimal Number. [8+8]
7. (a) What are the operations of file?
(b) Mention the function of file. [8+8]
8. Define actual parameter and formal parameter. What is meant by global and local variable? Explain with example. [6+10]

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R07**Set No. 1****I B.Tech Examinations, December 2010****COMPUTER PROGRAMMING****Common to Mechanical Engineering, Mechatronics, Production
Engineering, Automobile Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. Define actual parameter and formal parameter. What is meant by global and local variable? Explain with example. [6+10]
2. (a) Define expression. Write the syntax for it.
(b) What is the purpose of type cast? Explain with example.
(c) Define Keywords. What are the keywords available in 'C'? [4+4+8]
3. Define Structure and write the general format for declaring and accessing structure members with an example. [16]
4. What do you mean by exchange sorting? Explain about quick sort. [16]
5. (a) What are the advantages of using pointers?
(b) Explain static memory allocation. [8+8]
6. (a) What are the operations of file?
(b) Mention the function of file. [8+8]
7. (a) Write a 'C' program to print Pyramid of Digits in Reverse.
(b) Write a 'C' program to convert Binary Number to Decimal Number. [8+8]
8. (a) Define tree and binary tree. Explain in detail.
(b) Define graph and its terms. Explain in detail. [8+8]

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R07**Set No. 3****I B.Tech Examinations, December 2010****COMPUTER PROGRAMMING****Common to Mechanical Engineering, Mechatronics, Production
Engineering, Automobile Engineering****Time: 3 hours****Max Marks: 80****Answer any FIVE Questions
All Questions carry equal marks**

1. (a) What are the operations of file?
(b) Mention the function of file. [8+8]
2. (a) Define tree and binary tree. Explain in detail.
(b) Define graph and its terms. Explain in detail. [8+8]
3. Define actual parameter and formal parameter. What is meant by global and local variable? Explain with example. [6+10]
4. Define Structure and write the general format for declaring and accessing structure members with an example. [16]
5. What do you mean by exchange sorting? Explain about quick sort. [16]
6. (a) What are the advantages of using pointers?
(b) Explain static memory allocation. [8+8]
7. (a) Define expression. Write the syntax for it.
(b) What is the purpose of type cast? Explain with example.
(c) Define Keywords. What are the keywords available in 'C'? [4+4+8]
8. (a) Write a 'C' program to print Pyramid of Digits in Reverse.
(b) Write a 'C' program to convert Binary Number to Decimal Number. [8+8]
