

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

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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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Code No: R07A1EC04

**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**

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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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Code No: R07A1EC04

**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**

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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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Code No: R07A1EC04

**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**

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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]

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