

Name:  
Enrolment No:

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, July 2020**

**Course Code & Name: CSEG1004 – Advanced Data Structures**

**Semester: II**

**Programme: B.Tech. CSE (CSF)**

**Time:  
Max.**

7/30/2020

Test Canvas: End Semester Exam – Advanced Data Structures



Christalin Nelson 359

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Tests, Surveys and Pools > Tests **Test Canvas : End Semester Exam**



Edit Mode is: **ON**



## Test Canvas: End Semester Exam

The Test Canvas lets you add, edit and reorder questions, as well as review a test. [More Help](#)



Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description The Examination has 60 Questions of 2 marks each. Answer ALL the questions.

Total Duration: 120 min.

Instructions

Total Questions 60

Total Points 120

Number of Attempts 104

Select: All None | Select by Type:

Delete and Regrade

Points

Update and Regrade

Hide Question Details

1-12.  **Random Block**

Points per question:

Total Questions: 28

Total Points: 24

Number of  
Questions to  
display: 12

Source Pool: ESE Module-1 (CO1)

Question All Pool Questions











Types:




**Preview questions that match selected criteria**




Question Display


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[https://learn.upes.ac.in/webapps/assessment/do/content/assessment?action=MODIFY&course\\_id=\\_36724\\_1&content\\_id=\\_1746694\\_1&assessment...](https://learn.upes.ac.in/webapps/assessment/do/content/assessment?action=MODIFY&course_id=_36724_1&content_id=_1746694_1&assessment...) 1/24




	Question Type	Question Text	Alignment Count
Details: 	Multiple Choice	Question Text: A class cannot be _____.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Objects of the same class share the values of _____ and maintain separate values of _____.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Static Member Function _____.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which statement is appropriate for a friend function?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Identify the correct sentence regarding inequality between reference and pointer.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ operator has right to left associativity.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ operator has the highest precedence.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Choose the output of the following program. <pre>#include &lt;iostream&gt; using namespace std; int main() {     int a = 5, b = 6, c, d;     c = a, b;     d = (a, b);     cout &lt;&lt; c &lt;&lt; ", " &lt;&lt; d;     return 0; }</pre>	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which looping process is best used when the number of iterations is known?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ is used as string append operator.	Alignment Count: 0

Question	Question Text	Alignment Count
Type		
Details:  Multiple Choice	Question Text: What is the output of the following program?  <pre>#include &lt;iostream&gt; #include &lt;string&gt; using namespace std; int main () {     string str ("Microsoft");     for (size_t i = 0; i &lt; str.length();     {         cout &lt;&lt; str.at(i++);     }     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	Question Text: What is the output of the following program?  <pre>#include &lt;iostream&gt; #include &lt;string&gt; using namespace std; int main() {     string str ("Southern-Delight");     cout &lt;&lt; str.substr(4).substr(6) &lt;&lt; endl;     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	Question Text: Copy constructor _____.	Alignment Count: 0


Question Type	Question Text	Alignment Count
Details:  Multiple Choice	Question Text: What will be the output of the following C++ code?  <pre>#include &lt;iostream&gt; using namespace std; class A{     int a; public:     A(int i){         a = i;     }     void assign(int i){         a = i;     }     int return_value(){         return a;     } }; int main(){     A obj;     obj.assign(7);     cout&lt;&lt;obj.return_value(); }</pre>	Alignment Count: 0
Details:  Multiple Choice	Question Text: What is the output?  <pre>#include &lt;iostream&gt; using namespace std; class Temp{     int a;     Temp(int i):a(i){} public:     int return_value(){         return a;     } }; int main(){     Temp obj(34);     cout&lt;&lt;obj.return_value(); }</pre>	Alignment Count: 0
Details:  Multiple Choice	Question Text: Default constructor requires _____ parameters for object creation.	Alignment Count: 0

Question	Question Text	Alignment Count
Details:  Multiple Choice	<p data-bbox="565 205 813 268">Question Text: What is the output?</p> <pre data-bbox="565 306 1182 1486">#include&lt;iostream&gt; using namespace std; class Student {     int *num_subjects; public:     Student(int num)     {         num_subjects = new int;         *num_subjects = num;     }     Student(const Student &amp;stud)     {         num_subjects = new int;         *num_subjects = *stud.num_subjects;     }     void display()     {         cout&lt;&lt;*num_subjects;     }     ~Student()     {         delete num_subjects;     } }; int main() {     Student stud1(5);     stud1.display();     Student stud2 = stud1;     stud2.display();     return 0; }</pre>	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details:  Multiple Choice	Question Text: What will be the output of the following program: <pre>#include&lt;iostream&gt; using namespace std; class Student{     string dept; public:     Student(){         dept = "CSF";     }     void display(){         cout&lt;&lt;dept;     } }; int main(){     Student stud1;     Student stud2 = stud1;     stud2.display();     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	Question Text: Which of the following constructors are provided by the C++ compiler if not defined in a class?	Alignment Count: 0
Details:  Multiple Choice	Question Text: When a copy constructor is called?	Alignment Count: 0
Details:  Multiple Choice	Question Text: What will be the output of the following C++ code? <pre>#include &lt;iostream&gt; using namespace std; class A{ public:     int a; }; int main(int argc, char const *argv[]) {     A a1 = {10};     A a2 = a1;     cout&lt;&lt;a1.a&lt;&lt;a2.a;     return 0; }</pre>	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details:  Multiple Choice	<p>Question Text: What will be the output of the following C++ code?</p> <pre>#include &lt;iostream&gt; using namespace std; class A{     A(){         cout&lt;&lt;"A's Constructor called\n";     }     friend class B; };  class B{ public:     A a;     B(){         cout&lt;&lt;"B's constructor called\n";     } };  int main(int argc, char const *argv[]) {     B b;     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	<p>Question Text: In which type do the enumerators are stored by the compiler?</p>	Alignment Count: 0
Details:  Multiple Choice	<p>Question Text: What will be the output of the following C++ code?</p> <pre>#include &lt;iostream&gt; using namespace std; enum cat {     temp = 7 }; int main() {     int age = 14;     age /= temp;     cout &lt;&lt; "If you were cat, you would be " &lt;&lt; age &lt;&lt; endl;     return 0; }</pre>	Alignment Count: 0



Question Type	Question Text	Alignment Count
Details:  Multiple Choice	<p data-bbox="565 205 1198 268">Question Text: What will be the output of the following C++ code?</p> <pre data-bbox="565 306 1052 1772">#include &lt;iostream&gt; using namespace std; class SAP {     int SAP_ID; public:     SAP(){ }     SAP(int i)     {         SAP_ID = i;         SAP_ID = 50001243;     }     int show()     {         return SAP_ID;     } };  class Student {     SAP obj; public:     Student(int i)     {         obj = SAP(i);         i=50004321;     }     friend void show(); };  void show() {     Student stud(50001234);     cout&lt;&lt;stud.obj.show()&lt;&lt;endl; }  int main() {     show();     return 0; }</pre>	Alignment Count: 0



Question Display

Page 1 of 2



Displaying 1 to 25 of 28 items

Show All

Edit Paging...

13 - 24. **Random Block**
Points per question: 








Total Points: 24



Total	24
Questions:	
Number of Questions to display:	<input type="text" value="12"/>
Source Pool:	ESE Module-2 (CO2)
Question	All Pool Questions
Types:	


▼ **Preview questions that match selected criteria**


→  ▼



Question	Question Text	Alignment Count
Type		
Details: <input type="checkbox"/> Multiple Choice	Question Text: If a base class member access is public and an inherited class access specifier is private, which of the following statement is true?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: Choose most appropriate statement	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: When a base class pointer points to derived class object?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: Which of the following operators cannot be overloaded?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: _____ operator is overloaded by default by the compiler in every user defined classes even if user has not written.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: Not everything can be overloaded using a friend function. Operator (s) like _____ must be overloaded as member functions because the language requires them to be.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: Not everything can be overloaded using a member function. Operator (s) like _____ must be overloaded using friend function method.	Alignment Count: 0



	Question Type	Question Text	Alignment Count
Details: 	Multiple Choice	Question Text: What is the advantage of exception handling? (a) Remove error-handling code from the software's main line of code. (b) A method writer can choose to handle certain exceptions and delegate others to the caller. (c) An exception that occurs in a function can be handled anywhere in the function call stack.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: What should be put in a try block? (a) Statements that might cause exceptions (b) Statements that should be skipped in case of an exception	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ is return type of is_open() function.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: To create an output stream, we must declare the stream to be of class _____.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which of the following is not used to seek a file pointer?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ is the default mode of the opening using the fstream class.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: What is the output of the following program? <pre> #include&lt;iostream&gt; using namespace std; class base {     int arr[10]; };  class b1: virtual public base { }; class b2: virtual public base { }; class b3: public base { }; class b4: public base { };  class derived1: public b1, public b2 {}; class derived2: public b3, public b4 {};  int main(void) {     cout &lt;&lt; sizeof(derived1) &lt;&lt; ' ' &lt;&lt; sizeof(derived2);     return 0; } </pre>	Alignment Count: 0

Question	Question Text	Alignment Count
Details:  Multiple Choice	<p>Question Text:</p> <p>What is the output of the following program?</p> <pre>#include&lt;iostream&gt; using namespace std; class P { public:     void print() { cout &lt;&lt;"Inside P "; } };  class Q : public P { public:     void print() { cout &lt;&lt;"Inside Q"; } };  class R: public Q { };  int main(void) {     R r;     r.print();     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	<p>Question Text:</p> <p>What is the output of the following program?</p> <pre>#include&lt;iostream&gt; using namespace std;  class Base {     protected:         int i, j;     public:         Base(int _i = 0, int _j = 0): i(_i), j(_j) {} };  class Derived: public Base {     public:         void show(){             cout&lt;&lt;i&lt;&lt;','&lt;&lt;j;         } };  int main(void) {     Derived d;     d.show();     return 0; }</pre>	Alignment Count: 0


Question	Question Text	Alignment Count
Details:  Multiple Choice	<p data-bbox="565 205 1058 268">Question Text: What is the output of the following program?</p> <pre data-bbox="565 268 1058 1281">#include&lt;iostream&gt; using namespace std;  class Base {     public:     void show()     {         cout&lt;&lt;"In Base ";     } };  class Derived: public Base {     public:     int x;     void show()     {         cout&lt;&lt;"In Derived ";     }     Derived()     {         x=10;     } };  int main(void) {     Base *bp;     Derived d;     bp = &amp;d;     bp-&gt;show();     cout &lt;&lt; bp-&gt;x;     return 0; }</pre>	Alignment Count: 0


Question	Question Text	Alignment Count
Details:  Multiple Choice	<p data-bbox="565 205 1055 268">Question Text: What is the output of the following program?</p> <pre data-bbox="565 268 1201 924">#include&lt;iostream&gt; using namespace std;  class Base { public:     int fun() { cout &lt;&lt; "Base::fun() called"; }     int fun(int i) { cout &lt;&lt; "Base::fun(int i) called: " &lt;&lt; i; } };  class Derived: public Base { public:     int fun(int i) { cout &lt;&lt; "Derived::fun(int i) called:" &lt;&lt; i; } };  int main() {     Derived d;     d.Base::fun(5);     return 0; }</pre>	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details:  Multiple Choice	<p>Question Text:</p> <p>What is the output of the following program?</p> <pre>#include &lt;iostream&gt; using namespace std;  class Base { public:     virtual string print()     {         return "Base class ";     } };  class Derived : public Base { public:     virtual string print()     {         return "Derived class ";     } };  void describe(Base p) {     cout &lt;&lt; p.print() &lt;&lt; endl; }  int main() {     Base b;     Derived d;     describe(b);     describe(d);     return 0; }</pre>	Alignment Count: 0
Details:  Multiple Choice	<p>Question Text:</p> <p>What is the output of the following program?</p> <pre>#include&lt;iostream&gt; using namespace std;  int fun(int x=20, int y = 20, int z) { return (x + y + z); }  int main() {     cout &lt;&lt; fun(10);     return 0; }</pre>	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details:  Multiple Choice	<p>Question Text:</p> <p>Which of the following overloaded functions are NOT allowed in C++?</p> <ol style="list-style-type: none"><li>1) Function declarations that differ only in the return type int fun(int x, int y); void fun(int x, int y);</li><li>2) Functions that differ only by static keyword in return type int fun(int x, int y); static int fun(int x, int y);</li><li>3) Parameter declarations that differ only in a pointer * versus an array [] int fun(int *ptr, int n); int fun(int ptr[], int n);</li><li>4) Two parameter declarations that differ only in their default arguments int fun( int x, int y); int fun( int x, int y = 10);</li></ol>	Alignment Count: 0
Details:  Multiple Choice	<p>Question Text:</p> <p>What is the output of the following program?</p> <pre>#include&lt;iostream&gt; using namespace std;  class Test {     int x; public:     Test (int i):x(i) { }     void fun() const { cout &lt;&lt; (x+10) &lt;&lt; endl; }     void fun()    { cout &lt;&lt; x &lt;&lt; endl; } };  int main() {     const Test obj(20);     obj.fun();     return 0; }</pre>	Alignment Count: 0



Question Type	Question Text	Alignment Count
Details:  Multiple Choice	Question Text: What is the output of the following program? <pre>#include&lt;iostream&gt; using namespace std;  class Base {}; class Derived: public Base {}; int main() {     Derived d;     try {         throw d;         cerr &lt;&lt; "Exception Handling";     }     catch(Base b) {         cout&lt;&lt;"Caught Base Exception";     }     catch(Derived d) {         cout&lt;&lt;"Caught Derived Exception";     }     return 0; }</pre>	Alignment Count: 0

Details:  Multiple Choice	Question Text: What is the output of the following program? <pre>#include &lt;iostream&gt; using namespace std;  int main() {     try     {         throw 10;         cout &lt;&lt; "Exception";     }     catch (...)     {         cout &lt;&lt; "default exception";     }     catch (int param)     {         cout &lt;&lt; "int exception";     }     return 0; }</pre>	Alignment Count: 0
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 Question Display 

Displaying 1 to 24 of 24 items

Show All












Edit Paging...

Total	22	Total Points:	24
Questions:			
Number of Questions to display:	12		
Source Pool:	ESE Module-3 (CO3)		
Question Types:	All Pool Questions		

▼ Preview questions that match selected criteria

Question Display ▼

	Question Type	Question Text	Alignment Count
Details: 	True / False	Question Text: Extendible Hashing is a Direct Addressing Scheme.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Size of the table (m) must be a _____ number to obtain more even distribution of the keys over the table.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: When Load factor > 0.5, _____ hashing scheme is preferred.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which data structure is preferred for speedy insertion, deletion and lookup of elements?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Worst case insertion, deletion and lookup times of hash tables using linear probing and separate chaining methods are _____.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: A BST has numbers between 1 and 1000. Which of the following sequence could not be the sequence of the node examined to search for the number 363?	Alignment Count: 0
Details: 	True / False	Question Text: An extended binary tree is a binary tree in which special nodes are added wherever a null subtree was present in the original tree so that each node in the original tree (except the root node) has degree two.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Consider heap tree of height h. The minimum number of elements in a heap is _____.	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details:  Multiple Choice	Question Text: Difference between the internal and external path length of a binary tree with n internal nodes is?	Alignment Count: 0
Details:  Multiple Choice	Question Text: Generate a BST by inserting in order the following integers: 50, 15, 62, 5, 20, 58, 91, 3, 8, 37, 60, 24. Number of nodes in the left sub-tree and right sub-tree of the root is	Alignment Count: 0
Details:  Multiple Choice	Question Text: If h is the height of a BST, considering the height of the tree as the no. of edges in the longest path from root to the leaf, the maximum no. of nodes possible in the tree is?	Alignment Count: 0
Details:  Multiple Choice	Question Text: If n elements are sorted in a balanced BST, what would be the asymptotic complexity to search a key in the tree?	Alignment Count: 0
Details:  Multiple Choice	Question Text: In a threaded binary tree every node that does not have left child has a thread to its	Alignment Count: 0
Details:  Multiple Choice	Question Text: Number of external nodes in a full binary tree with n internal nodes is?	Alignment Count: 0
Details:  Multiple Choice	Question Text: The Postorder Traversal pattern for a BST is 0, 2, 4, 6, 5, 3, 1, 8, 10, 9, 7. Find the inorder traversal pattern.	Alignment Count: 0
Details:  Multiple Choice	Question Text: The number of nodes of degree 2 in a Binary tree with n leaf nodes is	Alignment Count: 0
Details:  Multiple Choice	Question Text: The run time for traversing all the nodes of a BST with n nodes and printing them in an order is	Alignment Count: 0
Details:  Multiple Choice	Question Text: When a BST node having two children is deleted, it is replaced by its	Alignment Count: 0
Details:  Multiple Choice	Question Text: _____ traversal of BST outputs the elements of the tree in sorted order?	Alignment Count: 0

Question Type	Question Text	Alignment Count
Details: <input type="checkbox"/> Multiple Choice	Question Text: In full BST every internal node has exactly two children. If there are 100 leaf nodes in the tree, how many internal nodes are there in the tree?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: The Preorder Traversal pattern for a BST is 7, 1, 0, 3, 2, 5, 4, 6, 9, 8, 10. Find the inorder traversal pattern.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: When a binary tree is converted into an extended binary tree, all the nodes of a binary tree in the external node becomes _____.	Alignment Count: 0

Question Display

Displaying 1 to 22 of 22 items

Show All

Edit Paging...

37 - 48. **Random Block**

Points per question:








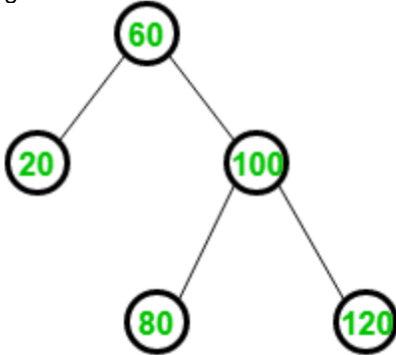


Total Points: 24










Total	20
Questions:	
Number of Questions to display:	<input type="text" value="12"/>
Source Pool:	ESE Module-4 (CO4)
Question	All Pool Questions
Types:	

Preview questions that match selected criteria

Question Display

Question Type	Question Text	Alignment Count
Details: <input type="checkbox"/> Multiple Choice	Question Text: Consider heap tree of height h. The minimum number of elements in a heap is _____.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: If n numbers are to be sorted in $O(n \log n)$ time, _____ can be used.	Alignment Count: 0

	Question Type	Question Text	Alignment Count
Details: 	Multiple Choice	Question Text: In which of the following tree, parent node has a key value greater than or equal to the key value of both of its children?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: The number of internal nodes of a 2-3 tree having 9 leaves could be	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which of the following algorithms has lowest worst case time complexity?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which of the following is a self-adjusting or self-balancing Binary Search Tree	Alignment Count: 0
Details: 	Multiple Choice	Question Text: The maximum height of AVL-tree with seven nodes is _____. Assume that the height of a tree with a single node is 0.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Identify the true statement.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Identify the resulting AVL tree obtained after inserting 70 in the given AVL tree.	Alignment Count: 0
 <pre> graph TD     60((60)) --- 20((20))     60 --- 100((100))     100 --- 80((80))     100 --- 120((120)) </pre>			
Details: 	Multiple Choice	Question Text: Binary tree is height balanced. Why?	Alignment Count: 0
Details: 	True / False	Question Text: After inserting an element, we start at the insertion point and move towards root of that tree to restore the AVL property.	Alignment Count: 0

	Question Type	Question Text	Alignment Count
Details: 	Multiple Choice	Question Text: Which of the following is most appropriate to represent an AVL tree?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ is used to implement a descending Priority Queue.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ can be used to implement Selection Sort.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: Which one of the given array elements represents a binary min heap?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: int a[8] = {5, 7, 9, 1, 3, 10, 8, 4}. Identify the level order traversal sequence of elements obtained after inserting all the array elements in a min-heap.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: _____ tree need not be a Binary tree.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: "For every node Z with a parent A, the key in A is less than or equal to the key in Z." The above statement is true for _____ tree.	Alignment Count: 0
Details: 	Multiple Choice	Question Text: We are in the process of sorting the 7 elements of the given complete Binary Tree using Heap Sort algorithm. After completion of some maxheapify operations, the level order traversal looks like: 16, 14, 15, 10, 12, 27, 28. Find out how many maxheapify operations have been performed on root of heap?	Alignment Count: 0
Details: 	Multiple Choice	Question Text: A 3-ary max heap is like a binary max heap, but instead of 2 children, nodes have 3 children. A 3-ary heap can be represented by an array using level order traversal as follows: The root is stored in the first location, a[0], nodes in the next level, from left to right, is stored from a[1] to a[3]. The nodes from the second level of the tree from left to right are stored from a[4] location onward. An item x can be inserted into a 3-ary heap containing n items by placing x in the location a[n] and pushing it up the tree to satisfy the heap property. Which one of the following is a valid sequence of elements in an array representing 3-ary max heap?	Alignment Count: 0

Question Display 

Displaying 1 to 20 of 20 items

Show All

Edit Paging...

 49 - 60. **Random Block**
Points per question: 

Total Points: 24





Total	23
Questions:	
Number of Questions to display:	<input type="text" value="12"/>
Source Pool:	ESE Module-5 (CO5)
Question Types:	All Pool Questions


▼ **Preview questions that match selected criteria**

Question Type	Question Text	Alignment Count
Details: <input type="checkbox"/> Multiple Choice	Question Text: Which of the following data structure is a linear data structure?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: A Simple graph has no loops. What other property should a simple graph have?	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: A graph can be represented using	Alignment Count: 0
Details: <input type="checkbox"/> True / False	Question Text: An edge in a graph is called a bridge. Its removal would disconnect the graph.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: Directed graph can also be called as	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: For an undirected Graph the Adjacency Matrix is a _____ matrix.	Alignment Count: 0
Details: <input type="checkbox"/> Multiple Choice	Question Text: In an undirected graph, the path <A,B,E,H,D,A,C> and <A,B,F,H,E,B,A,D> is called as	Alignment Count: 0

	Question Type	Question Text	Alignment Count
Details:	Multiple Choice	Question Text: Minimum number of edges in a Graph is	Alignment Count: 0
Details:	True / False	Question Text: Parallel edges in a graph produce identical columns in its adjacency matrix	Alignment Count: 0
Details:	Multiple Choice	Question Text: Space complexity for an adjacency matrix representation of a graph is	Alignment Count: 0
Details:	Multiple Choice	Question Text: The depth first traversal of a graph is analogous to _____ traversal pattern in trees.	Alignment Count: 0
Details:	Multiple Choice	Question Text: The supporting data structure used for Depth first traversal and Breadth first traversal of a graph is	Alignment Count: 0
Details:	Multiple Choice	Question Text: There are 10 nodes without any self loops and multiedges. The maximum number of edges of a directed and undirected graph is	Alignment Count: 0
Details:	Multiple Choice	Question Text: Time Complexity for an edge list representation of a graph is	Alignment Count: 0
Details:	Multiple Choice	Question Text: Web Crawling is an example of	Alignment Count: 0
Details:	Multiple Choice	Question Text: Which of the statement(s) is/are correct.	Alignment Count: 0
Details:	Multiple Choice	Question Text: _____ is an application of Directed Graph and _____ is an application of Undirected Graph.	Alignment Count: 0
Details:	Multiple Choice	Question Text: _____ is preferred over adjacency matrix representation of a graph when the graph is _____.	Alignment Count: 0
Details:	Multiple Choice	Question Text: A graph represented using a _____ has a minimum time cost for search, insert and delete operations.	Alignment Count: 0



Question Type	Question Text	Alignment Count
Details:  True / False	Question Text: From a reduced Incidence matrix a complete Incidence matrix can be created by adding a row with cells containing +1, 0, or -1 such that sum of elements in the row is equal to zero.	Alignment Count: 0
Details:  Multiple Choice	Question Text: Given graph $G = (V, E)$ where $V = \{A, B, C, D, E, F, G\}$ and $E = \{(A, D), (B, A), (B, C), (C, D), (C, F), (C, G), (E, C), (E, D), (F, A), (F, E), (G, B)\}$ . _____ is the BFS pattern when starting at node B.	Alignment Count: 0
Details:  Multiple Choice	Question Text: Given graph $G = (V, E)$ where $V = \{A, B, C, D, E, F, G\}$ and $E = \{(A, D), (B, A), (B, C), (C, D), (C, F), (C, G), (E, C), (E, D), (F, A), (F, E), (G, B)\}$ . _____ edge (s) is unused during the DFS traversal starting at node B.	Alignment Count: 0
Details:  Multiple Choice	Question Text: In a graph if an edge is defined as $E=\{u,v\}$ , it means	Alignment Count: 0

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