



## Assignment No: 2

Programme: \_\_\_\_\_

Semester: \_\_\_\_\_

**Submitted by:-**

<b>Student Name :</b>	
<b>Enrollment No :</b>	
<b>Roll No. :</b>	
<b>Course Name:</b>	
<b>Date of Submission:</b>	

**Submitted to:-**

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**Programme: Diploma (CS) IV<sup>th</sup> Sem**

**Course Name: Data Structure**

**Course Code: DIPCS-221**

**Assignment No: 2**

**Due date of submission: 20.04.2018**

### **Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

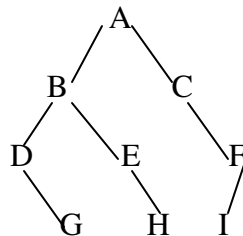
### **Q.1**

(a) As you are aware of Graph data structure. So, you can explain its representation with the help of an example. Do it.

(b) As you are aware of sorting techniques. So, explain insertion sort with the help of suitable example.

### **Q.2**

(a) As you are aware of tree traversal. So, you can write in-order, preorder and post-order traversal for the tree given below.



Do it.

(b) As you are aware of searching algorithms. So, you can explain Binary search algorithm with the help of an example. Do it.



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**Programme: Diploma (CS) IV<sup>th</sup> Sem**  
**Course Name: Database Management System**  
**Course Code: DIPCS-222**  
**Assignment No: 2**  
**Due date of submission: 20.04.2018**

### **Instructions**

1. Write the responses to the assignment in your own handwriting.
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### **Q.1**

- (a) Explain all aggregate function with example.
- (b) Explain functional dependencies with normal forms.

### **Q.2**

- (a) Explain joins and union with example.
- (b) Explain Distributed Database.



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**Programme: Diploma (CS) IV<sup>th</sup> Sem**

**Course Name: Data Communication and Network**

**Course Code: DIPCS-223**

**Assignment No: 2**

**Due date of submission: 20.04.2018**

### **Instructions**

1. Write the responses to the assignment in your own handwriting.
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3. Write your Name, Programme and Enrollment No. clearly at the top of page.

### **Q.1**

- (a) What is Data link layer? Write all the functions of it.
- (b) What do you understand with “Error detection and Error correction”. Explain in detail.

### **Q.2**

- (a) What is Firewall? Write all the advantages of using firewall.
- (b) Explain the following:
- (i) Routing protocol (ii) HTTP



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**Programme: Diploma (CS) IV<sup>th</sup> Sem**

**Course Name: OOPs With C++**

**Course Code: DIPCS-224**

**Assignment No: 2**

**Due date of submission: 20.04.2018**

### **Instructions**

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3. Write your Name, Programme and Enrollment No. clearly at the top of page.

### **Q.1**

- a) As you are aware of C++. So, now you can explain Object Oriented features of C++. Do it.
- b) As you are aware of C and C++. You will learn more, if you differentiate C and C++. Go ahead.

### **Q.2**

- a) As you know about the constructors. You may learn more, if you discuss constructors with its types. Go ahead.
- b) As you are aware of Console I/O. So, now you can explain formatted and unformatted I/O with example. Do it.



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**Programme: Diploma (CS) IV<sup>th</sup> Sem**  
**Course Name: Basics of Entrepreneurship Development**  
**Course Code: DIP-226**  
**Assignment No: 2**  
**Due date of submission: 20.04.2018**

**Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

**Q.1**

- a) Discuss in detail about Material management and functions & duties of store department.
- b) Define financial management and discuss upon functions & duties of finance department.

**Q.2**

- a) Define marketing management & concept of marketing.
- b) Define entrepreneurship in detail and entrepreneur.