

**Plus Two Computer Science Previous Questions-Chapter wise**

**Chapter-1**

**Structures and Pointers**

*1)Represent a structure named student with attributes of different types and give the advantages of using structure. **March 2016***

*2)Structure within a structure is termed as ..... **March 2016***

*3)Orphaned memory blocks are undesirable.How can they be avoided ?*

*OR*

*Discuss problems created by memory leaks. **March 2016***

*4)Compare static and dynamic polymorphism. **March 2016***

*5)Represent the following details of an examination in a structure.Use nested structure whenever necessary.*

*HSC,Computer Science,June 2014,Say examination,Score 60,2 Hrs.30 Mints*

***June 2016***

**Chapter-2**

**Concept of Object Oriented Programming**

*1) Describe any three basic concepts of object oriented programming:*

***March 2014***

**Chapter-3**

**Data Structures and Operations**

**Previous Questions**

- 1) Attempting to insert an already full stack leads to ..... **March 2016**
- 2) Explain how push operation is done in a stack. **March 2016**
- 3) Linked lists usually do not have the problem of overflow. Discuss. **March 2016**

**Chapter 4**

**Web Technology**

- 1) HTTPS stands for ..... **March 2016**
- 2) How will you distinguish a static webpage from a dynamic webpage ? **March 2016**
- 3) Write HTML code for a webpage of an institution with the following features. It should have a marquee welcoming users, a heading in different fonts and a picture and address of the institution . **March 2016**
- 4) Name a protocol that provides secure file transfer. **March 2016**
5. The default port number of http is
- (a) 20      (b) 80   (c) 110      (d) 53
6. Write HTML tag to set the colour of hyperlink to red .
- (a) `<A colour="red" >`      (b) `<A colour="FF0000" >`
- (c) `<BODY LINK="Red" >`   (c) `<BODY ALINK="Red" >`      **March 2016**
7. A webpage is created to display the result of engineering entrance examination.
- (a) What type of webpage it is ? (b) Mention any two features of it. **March 2016**

**Chapter 5**

**Web Designing using HTML**

- 1) The `<DD>` tag gives ..... **March 2016**

2) Create a table with 5 types of fruit names, use headings as serial number, name and cost.

**March 2016**

3) Create an Ordered list of five fruits numbered using small Roman numerals.

**March 2016**

4) Consider the following list created using HTML.

D.Laptop

E.Desktop

F.PRINTER

What will be the value of START and TYPE attribute of <OL> tag ?

(a) START="D" TYPE="A"

(b) START="4" TYPE="A"

(c) START="4" TYPE="I"

(d) START="D" TYPE="I"

**March 2016**

5) Explain the HTML tag <table> and its attributes. **March 2016**

## Chapter 6

### Client Side Scripting Using Java Script

1) Develop a webpage that implements a JavaScript function that takes two numbers as input and displays their product. **March 2016**

2) Develop a webpage to display the following login screen.

The image shows a simple login form within a rectangular border. It contains two text input fields. The first is labeled 'Application No.' and the second is labeled 'Password'. Below these fields is an oval-shaped button labeled 'Login'.

Write JavaScript to do the following validation :

- (a)The application number should be in the range 10000 to 99999.
- (b)The password should contain atleast 8 characters. **March 2016**

## Chapter-7

### Web Hosting

- 1)What type of hosting will you use to support a government website ?Give its advantages . **March 2016**
- 2)Identify the odd one :
  - (a) Word Press      (b) File Zilla      (c) Joomla      (d) Drupal **March 2016**
- 3)What type of hosting package is suitable for a multinational online shopping site .Mention any two advantages of the package. **March 2016**
- 4)What is the need of registering a domain name for a website ?Explain the procedure of domain name registration . **March 2016**

## Chapter 8

### Database management System

1)Discuss the levels of data abstraction in DBMS. **March 2016**

2)..... level describes only a part of a database . **March 2016**

- (a) View (b) Physical (c) Logical (d) None of these

3)What is relational algebra ?Explain any three relational algebra operations.

4.

(a) Find the Cartesian product of PRODUCT and SUPPLIER.

PRODUCT			SUPPLIER		
Pno	Pname	Price	Sno	Sname	Discount
101	Soap	32	201	SSV	10
102	Oil	72	202	ABC	12
103	Spray	120	203	L&S	15

(b)Define the following based on the above two tables:

- (i) Relation (ii) Domain (iii) Tuple (iv) Attribute (v) Cardinality (vi) Degree

**June 2016**

**March 2016**

## Chapter 9

### Structured Query Language

1)In the ACCOUNT relation shown below

Acc.Number	Name	Balance	Type
1000	Simon	1,50,000	SB
1001	Abey	2,00,000	SB
1003	Vishnu	1,00,000	SB
1004	Rahim	2,50,000	SB

(a) Identify the primary keys and candidate keys.

(b) Select all account holders with balance greater than Rs 2,00,000

2) Give the correct syntax of the queries in SQL for the following :

(a) Renaming a table

(b) Deleting rows from a table

(c) Changing definition of a column

(d) Removing columns from a table

(e) Adding a new column

3) Give the output obtained with the pattern match “ - - - ” in the string “board” .

**March 2016**

4)..... keyword is used to in SELECT query to eliminate duplicate values in a column.

**March 2016**

(a) UNIQUE (b) DISTNICT (c) NOT NULL (d) PRIMARY

Answer any one question from the following (a) or (b) :

5) Consider the following table named ACCOUNTS :

(a) Write SQL statements to do the following :

(i) Display all the details of accounts with amount greater than 50000 in Ernakulam branch.

(ii) Display Acc.No ,Branch and Amount in the descending order of amount.

(iii) display the number of accounts in each branch.

OR

(b) Write SQL statements to do the following :

- (i) Add a new record into the table .
- (ii) Update the amount of Sanjay to 100000.
- (iii) Delete the details of Anil.

6)How will you add a new column to an existing table using SQL statement ?

March 2016

## Chapter 10

### Server Side Scripting Using PHP

1) (a) Compare Indexed and associative arrays in PHP.

(b)Write a PHP program to display prime numbers below 50.

OR

Write a PHP program to display the perfect numbers below 100.

March 2016

2)PHP is

(a)freeware

(b)proprietary

(b)both

(d)none

March 2016

## Chapter 11

### Advances in Computing

1) 1. (a) The computing technology in which a problem is broken into pieces and solved concurrently is called .....

(b) Categorize the cloud service models.

**March 2016**

## **Chapter 12**

### **ICT and Society**

1) *What is Industrial Property Right ?Write a short note on any two Industrial Property Right.*

**March 2016**

2)(a) *Name a digital financial instrument.*

*(b) Discuss about various IPRs with examples for each.*

**March 2016**