

Second Year Computer Application(Commerce)

Previous Questions Chapter wise

Chapter 1: Review of C++ Programming

1.Which among the following is an insertion operator ?

(a) << (b) >> (c) < (d) > **(March 2016)** Score 1

2. Statement in a loop forces the termination of that loop.

(March 2017) Score 1

3 Is an arithmetic assignment operator.

a). >> b). == c). += d). = **(March 2017)** Score 1

4. Which one of the following is equivalent to the statement series

b = a; a = a +1;

a). b += a b) b = a ++ c). b = ++ a d) b += a + b;

(March 2017) Score 1

5.What are the main components of a looping statement ?

(March 2016) Score 2

6. Explain break and continue statements with example.

(March 2016) Score 2

7.How does a 'goto' statement work ?

(Say 2016) Score 2

8. Identify the following C++ tokens.

a). "WELCOME" b). int c). >= d). ++ **(March 2017)** Score 2

9.How do continue and break statement differ in a loop ?Explain with an example.

(March 2016) Score 3

10. Define Jump Statements. Explain about any two.

(March 2018) Score 3

11.Explain about nested loops.

(March 2018) Score 3

12.Explain switch statement with an example. **(Say 2016)** Score 3

13. Re- write the following C++ code using " switch " statement.

```
cin >> pcode;
if (pcode == 'C' )
    cout<< "Computer";
else if(pcode == 'M' )
```

```

        cout<< "Mobile Phone";
    else if(pcode == 'L' )
        cout<< "Laptop";
    else
        cout<< " Invalid Code";

```

(March 2017) Score 3

14. Rewrite the following C++ code using if...else statement :'

```

switch (choice)
{
    case 1:
        cout<<"One";
        break;
    case 0:
        cout<<"Zero";
        break;
    default:
        cout<< "End'
        break;
}

```

(Say 2018) Score 3

15. Write the output of the following C++ code. Justify your answer,

```

for( i = 1; k = 5; ++i)
{
    cout<<"\t"<<i;
    if (i == 3)
        break;
}

```

(Say 2018) Score 3

16. Write a C++ program to accept N integer numbers and find the sum and average of even numbers. Use array to store numbers.

(March 2016) Score 5

17. Write a C++ program to accept a string and count the number of words And Vowels in that string.

(March 2016) Score 5

Chapter 2: ARRAYS

1. Write a C++ statement to declare an array with size 25 to accept the name of a student **(March 2018)** Score 1

2. Write C++ initialization statement to initialize an integer array name "MARK"

with the values 70, 80, 85, 90. **(March 2017)** Score 1

3. How memory is allocated for a float array. **(March 2016)** Score 2

4. How we can initialize an integer array ? Give an example. **(March 2016)** Score 2

5. Consider the following C++ code

```
char text[20];
```

```
cin>>text;
```

```
cout<<text;
```

If the input string is "Computer Programming"; what will be the output ? justify your answer. **(Say 2016)** Score 2

6. Define array traversal with an example. **(Say 2018)** Score 3

7. Define an array. Give an example of an integer array declaration. **(Say 2018)** Score 3

8. Write C++ program to input 10 numbers in an integer array and find the sum of numbers which are exact multiples of 5. **(March 2017)** Score 3

9. Consider the following C++ code :

(a) char name [20] ;

```
cin>>name ;
```

```
cout<<name;
```

(b) char name [20] ;

```
gets (name);
```

```
cout<<name;
```

Write the output i, both cases if the string entered value is "NEW DELHI,.."

Justify your answer. **(Say 2018)** Score 3

10. Consider the following C++ Code.

```
int main( )
{
    char str[20];
    cout << " Enter a string ";
    cin >> str;
    puts(str);
    return 0;
}
```

- a). Write the value of str if string "HELLO WORLD" is input to the code.
Justify.
- b). Write the amount of memory allocated for storing the array str.
Give reason
- c). write an alternative we can use to input string in place of cout.

(March 2018) Score 5

11. Write a C++ program to accept a string and find its length without using built in function. Use a character array to store the string .

(Say 2016) Score 5

12. Write a program to input 'N' numbers into an integer array and find the Largest number in the array. **(Say 2016)** Score 5

13. Write C++ program to input 10 numbers in an integer array and find the second largest element. **(March 2017)** Score 5

14. Write a C++ program to accept N integer numbers and find the sum and average of even numbers. Use array to store numbers.

(March 2016) Score 5

Chapter :3 Functions

1. `char s1[10] = "hello", s2[10];`
`strcpy (s2, s1);`
`cout << s2;`

What will be the output ?

- (a) hello (c) hell (b) hel (d) No output

(Say 2017) Score 1

2. Write the name of built in function of C++ to convert the given character

into its lower case

(Say 2018) Score 1

3. Differentiate actual and formal arguments in C++.

(Say 2018) Score 1

4. Function is used to check whether a character is alphanumeric.

- (a) `isdigit( )` (b) `isalnum( )` (c) `isupper( )` (d) `islower( )`

(Say 2016) Score 1

5 .Consider the following code :

`char s1[ ]="program"`

`char s2[ ]="PROGRAM"`

`int n;`

`n=strcmpi(S1,S2)`

What is the value of n ?

- (a) `n=0` (b) `n=1` (c) `n>1` (d) `n< 0` **(March 2016)** Score 1

6. Write the output of the following C++ code segment

`char s1[10] = "Computer";`

`char s2[15]="Applications";`

`strcpy(S1,S2);`

`cout<<s2;`

(March 2017) Score 1

7 .Explain any three string function with example .

(Say 2016 & 2017) Score 2

8. Write the function prototype of the following function.
- (i). A function `sum( )` take two integer arguments and return an integer value.
 - (ii) A function `print( )` has no arguments and no return value.

(Say 2018) Score 2

9. Define built in functions. Give two examples. **(March 2018)** Score 2

1. Write a code to do the following :

(a) A function named `largest` accept two integer numbers and return the Largest number.

(b) Use this function to find the largest of two numbers.

(March 2016) Score 3

10. Write a function that accept 3 numbers of type float as argument and return the average of three numbers.

11. Write program which use this function to find the average of three numbers using C++.

(Say 2016) Score 3

12. Explain any three stream functions for I/O operation.

(March 2016) Score 3

13. Explain `gets( )` and `puts( )` function

(March 2017) Score 3

14. Compare call – by – value and call – by reference methods for

calling Functions

(March 2018) Score 3

15. Differentiate between local and global variables.

(March 2018) Score 3

16. Write a C++ program to accept a string and count the number of words and vowels in that string.

(March 2016) Score 5

17. Explain any three stream functions for I/O operation.

(March 2016) Score 3

18. Write program using function to interchange the value of two variables

(use call by reference method for passing arguments).

(Say 2017) Score 3

19. Consider the following function definition in C++ :

```
void sum(int a, int b=10, int c=20)
{
    int sum = a+b+c;
    cout<<sum;
}
```

Write the output of the above code for the following function call :

(a) sum(7,2,3);

(b) sum(2,3);

(c) sum (3) ;

(Say 2018) score:3

20. Write a code to do the following :

(a) A function named largest accept two integer numbers and return the largest number.

(b) Use this function to find the largest of two numbers.

(March 2016) score 3

21. "Initialized formal arguments are called default arguments". Using this concept

write the function prototype and definition of a user defined function Sum()

which accept two or three numbers and return their sum.

(March 2017) Score 322.

Write a C++ program to convert all lowercase alphabets stored in a

string to uppercase

(March 2017) Score 5

Chapter :4 WEB TECHNOLOGY

1.The default port number of http is

(a) 20 (b) 80 (c) 110 (d) 53 . **(Say 2017 & March 2016)** Score 1

2. is a server that act as a bridge between merchant server

and bank server.

(March 2017) Score 1

3. Write the complete HTML tag that links the text "PSC"

to the website www.keralapsc.org **(March 2017)** Score 1

4. Write HTML tag to set the colour of hyperlink to red .

(a) (b)

(c) <BODY LINK="Red" >(c)<BODY ALINK="Red" > **(March 2016)** Score 1

5. Pick the odd one out.

a). Body b). Html c). Head d). Align **(Say 2017)** Score1

6. DNS Stands for

(Say 2017) Score 1

7. Which tag is used to create a line break in an HTML page?
(Say 2018) Score 1
- 8..... tag is used to make the size of the text smaller than current text in HTML.
(a) (b) <small> (c) <sub> (d) <sup> .
(Say June 2016) Score 1
- 9.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) Score 2
10. Explain nesting of frameset with an example. (March 2017) Score 2
11. Differentiate Static and Dynamic web page. (Say 2017) Score 2
12. Write the use of the following in HTML :
 DHSE
<EMBED src = song1.mp3> </EMBED> (March 2018) score 2
13. Compare client side scripting and server side scripting.
(March 2017) (Say 2016) Score 2
14. Every web browser has default colours to display text and hyperlink.
How can we change these default colour? (March 2017) score 2
15. Explain nesting of frameset with an example. (March 2017) Score 3
16. Name any two attributes of the following tags :
a). <HTML>
b). <MARQUEE>
c) (March 2018) score 3
17. Name the three essential tags for creating a table in HTML.
Write the purpose of each tag. (March 2018) score 3
18. Compare client side scripting and server side scripting languages.
(March 2017) score 3
19. Compare Static and dynamic web pages.
(March 2017) score 3
20. Compare client side scripting and server side scripting .
(Say 2018) score 3
21. Consider the following HTML code and answer the following :
 COMPUTER

 APPLICATION

<HR>

- (a) Name the tag used to make the text as italics and bold in the above code. (1)
- (b) What is the purpose of <HR> tag? Explain its any two attributes. (2)
- (c) Write the HTML statement to scroll the text given in from top to bottom. **(Say 2018)** (2)

23. In HTML

- a). Differentiate client-side script and server-side script.
- b). Name the tag and its attribute used to include a script in a web page.
- c). Name any two server-side scripting language.

(March 2018) Score 5

Chapter : 5 Web Designing Using HTML

1. Consider the following list created using HTML.

D.Laptop

E.Desktop

F.PRINTER

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

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

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

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

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

(March 2016) Score 1

2. Name the following tags :

(a) To include a button in HTML.

(b) To partition the browser window. **(March 2018)** Score 1

3. tag in HTML is used to create a drop down list.

a) Select b). Option c). Input d). List **(Say 2017)** Score 1

4. Nila wanted to set the picture "sky.jpg" as the background of his web page.

Choose the tag for doing this.

(a) (b) <BODY SRC="sky.jpg" >

(c) (d) <BODY BACKGROUND ="sky.jpg" >
(Say 2016) Score 1

5..... attribute of <frame > tag is used to prevent users from resizing the border of a specific frame by dragging it .

(a) Scrolling (b) No resize (c) margin width (d) margin height
(Say 2016) Score 1

6. Name the tag and attribute needed to create the following lists in HTML

a)

1. RAM 2. ROM 3.HARD DISK

b)

☐ REGISTERS
☐ CACHE
☐ RAM

(March 2018) Score 2

7. Write HTML code for the following Table

No of Students	
Science	55
Commerce	60
Humanities	58

(March 2017) Score 2

8. Write the output of the following HTML code :

<OL Type - " 1 " Start: "10")

 keyboard

 mouse

 light pen

(Say 2018) Score 2

9. Describe any four values of Type attributes of the <INPUT> Tag in HTML

(Say 2018) Score 2

10 . Write the HTML code to generate the following table :

Roll No	Name	Class
100	Vishnu	C1
101	Anupama	C2
102	Btju	A1

(Say 2018) Score 3

11. Explain tag with suitable example. (Say 2016) Score 3

12.Explain the HTML tag <table> and its attributes.

(March 2016) Score 3

13. Write HTML code to create the following table. (Say 2017) Score 3

PAY ROLL		
Empno	Name	Salary
101	Abin	15000
102	Sini	25000
103	Anu	20000

Chapter :6 CLIENT SIDE SCRIPTING USING JAVASCRIPT

1.Develop a webpage to display the following login screen.

Application No.	
Password	
Login	

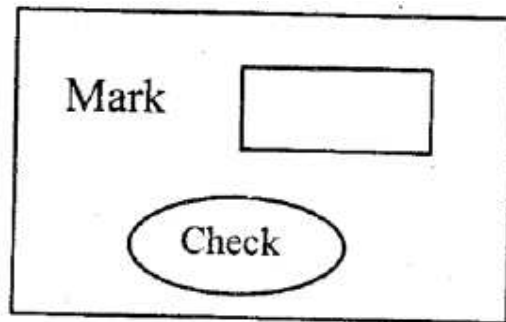
(a)The application number should be in the range 10000 to 99999.

(b)The password should contain atleast 8 characters.

(March 2016) Score 3

2. Design the following web page to enter the mark of a student

Write JavaScript to do the following validation :



3. write a Javascript which inputs the name. rollno. Date of birth of a student. Date of birth contains month , day and year. Month should be selected from a drop down list.

(Say 2017) Score 3

(a) Write the HTML code for the website.

(b) Provide validation for the text box using Java Script.The mark should Be in the range 0 to 100 and should be a number. The text box should not be empty.

(Say 2016) Score 3

4. What is an external JavaScript file? Write the advantages of using an external JavaScript file?

(March 2017) Score 3

5. Classify the following values in JavaScript into suitable data type :

"Hello", False , 125.0, 148 , "True", True

(Say 2018) Score 3

6. Rewrite the following C++ code in JavaScript :

```
void length ( )  
{  
    char str1;  
    str1 = "WELCOME";  
    cout <<str1;  
}
```

(March 2018) Score 3

7. Consider the following JavaScript code :

```
function Print ( )  
{  
    var i,  
    for (i=1; i<=10; ++i )  
    {  
        document . write ( i ) ;
```

- ```

 document . write ("
 ") ;
 }
}

```
- (i) Write the output of the above code. (1)
- (ii) Rewrite the above code using while loop. (2)
- (iii) Modify the above code to find the sum of first 10 counting numbers. **(Say 2018)** (2)
8. In JavaScript :
- (a) Explain any three types of operators used.
- (b) Describe any two data types used. **(March 2018)** Score 5

## Chapter :7 WEB HOSTING

- Identify the odd one :  
 (a) Word Press      (b) File Zilla      (c) Joomla      (d) Drupal  
**(March 2016)** Score 1
- ..... provide an easy way to design and manage attractive websites.  
 a), Free Hosting    b). CMS    c). WHOIS    d). FTP      **(Say 2016)** Score 1
- A designed website has to be uploaded in to a .. .... to make it available To the internet users all over the world. **( March 2017)** Score 1
- What type of hosting package is suitable for a multinational online shopping site? Mention any two advantages of the package. **(March 2016)** Score 2
- Differentiate shared and dedicated web hosting. **(Say 2017)** Score 2
- What is SFTP ? **(Say 2016)** Score 2
- Write short note on Virtual Privat Server. **(Say 2018)** Score 2
- Write short note on free hosting. **( March 2018)** Score 2

9. Write the type of web hosting that is most suitable :
- For hosting a school website with database.
  - For hosting a website for a firm.
  - For creating a blog to share pictures and posts.
  - For creating a low cost personal website with unique domain name.
- ( March 2018)    Score 2**
10. What is responsive web designing? **(Say 2017)    Score 2**
11. What is the need of registering a domain name for a website ? Explain the procedure of domain name registration. **(March 2016)    Score 3**
12. What is Content Management System ?
- Write any two popular CMS software **( Say 2018)    Score 3**
13. Compare shared hosting and VPS **(Say 2016)    Score 3**
14. Amitha wanted to get the name 'www.smartproduct.com' for her newly designed website. How is it possible? **( March 2017)    Score 3**
15. Ajith created a website using the software 'Joomla'. What is the peculiarity of this software and write any four advantages of using this software. **( March 2017)    Score 3**

## **Chapter 8 : DATABASE MANAGEMENT SYSTEM**

- 1..... level describes only a part of a database .
- View
  - Physical
  - Logical
  - None of these
- (March 2016)    Score 1**
2. .... symbol is used for select operation in relational algebra.
- $\sigma$
  - $\Pi$
  - $\cup$
  - $\tilde{\cap}$
- (Say 2017)    Score 1**
3. Command in SQL used to display struture of a table
- LIST
  - STRUCT
  - DESCRIBE
  - SHOW
- (Say 2017)    Score 1**
4. A candidate key that is not a primary key is called ... .. key
- (Say 2018)    Score 1**
5. Define primary key and alternate key **(Say 2018)    Score 1**
6. In RDBMS a relation contains 10 rows and 5 columns.

- What is the degree of the relation? **(March 2017)** Score 1
7. Explain primary key constraint with an example.  
**(Say 2017)** Score 1
8. The number of attributes in a relation is called .....  
(a) tuple (b) degree 9(c) cardinality (d) domain  
**(Say June 2016)** Score 1
9. Is it possible to combine SELECT and PROJECT operations of relational algebra into a single statement? Explain with an example.  
**(March 2017)** Score 2
10. Write short note on UNION operation in Relational algebra.  
**(Say 2018)** Score 2
11. Define the following.  
a) field b) record **(March 2017)** Score 2
12. Define the following terms :  
(i) Cardinality (ii) Schema (iii) Tuple **(Say 2018)** Score 3
13. Explain the different levels of data abstraction in DBMS.  
**(March 2017)** Score 3
14. Explain any three operators used in Relational algebra.  
**(March 2018)** Score 3
15. Explain any three advantages of DBMS. **(March 2018)** Score 3
16. Explain advantages of DBMS over conventional file system.  
**(Say 2017)** Score 5
17. What is relational algebra ? Explain any three relational algebra operations.  
**(March 2016)** Score 5
18. Explain the components of DBMS. **(Say 2016)** Score 5

## Chapter :9. Structured Query Language

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

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

**(March 2016)** Score 1

2. Which is the keyword used in SQL SELECT command to eliminate duplicate values in the selection ? **(Say 2018)** Score 1

3. ... ..... clause of SELECT query is used to apply condition to form groups of records.

(a) Orderby (b) groupby (c) having (d) where

**(Say 2016)** Score 1

4. .... is a SQL datatype which is used to represent a variable length string.

**(March 2017)** Score 1

5. Consider the following table named ACCOUNTS :

| Acc, No | . Name | Branch     | Amount |
|---------|--------|------------|--------|
| 1001    | Anil   | Trivandrum | 30000  |
| 1002    | Sanjay | Ernakulam  | 130000 |
| 1003    | Meera  | Kottayam   | 275000 |
| 1004    | Sneha  | Kottayam   | 50000  |
| 1005    | Rajan  | Thrissur   | 7s000  |

(a) Write SQL statements to do the following :

- Display all the details of accounts with amount greater than 50000 in Ernakulam branch.
- Display Acc.No ,Branch and Amount in the descending order of amount.
- display the number of accounts in each branch.

**(March 2016)** Score 3

6. Write SQL statements to do the following :

- Add a new record into the table .
- Update the amount of Sanjay to 100000.
- Delete the details of Anil.

**(March 2016)** Score 3



7. Define the following :

- a). DML
- b). DDL
- c). DCL

**(March 2018)**      Score 3

8. Write the result of the following :

- (a) ALTER TABLE <table name>  
Drop <column name>
- (b) DELETE \* FROM <table name>
- (c) DROP TABLE <table name>

**(March 2018)**      Score 3

9. Explain the SQL statements used to insert and delete data from a table.

Explain any two DDL commands.

**(Say 2016)**      Score 3

10. What is a view ? How can we create a view using SQL statement ?

**(Say 2016)**      Score 2

11. Write SQL for ,

- a). Create a table student with the data [name char(25), rollno number(3), marks number(3)]
- b). List name and rollno of all students
- c). List name and rollno of students having marks > 600

**(Say 2017)**      Score 3

13. An Employee table contains name , empno, basicpay , desg. Write SQL for,

- a) Display empno, name and basicpay of all managers( desg = "manager")
- b). Display empno and salary of all employees. (salary = basicpay + DA)  
(DA = basicpay \* 1.15)
- c). Display name and empno of all employees whose basicpay < 10000.

**(Say 2017)**      Score 3

14. The structure of table employee is given below.

|          |         |
|----------|---------|
| Empcode  | Numeric |
| Empname  | String  |
| Basicpay | Numeric |
| DA       | Numeric |
| Grosspay | Numeric |

Write SQL statements for the following.

- a). Insert a record into the table

- b). Update DA with 60% of Basic Pay
- c). Display the details of employees whose basic pay is greater than 20000
- d). Rename the table EMPLOYEE to EMPDETAILS.

**(March 2017)** Score 5

15. Define constraint. Explain any four column constraints.

**(Say 2018)** Score 5

## **Chapter :10. ENTERPRISE RESOURCE PLANNING (ERP)**

1. Define BPR. **(March 2018)** Score 1

2..... is an open source ERP software .

(a) SAP (b) Tally ERP (c) Oracle (d) Odoo

**(March 2016)** Score 1

3. SAP stands for .....

**(Say 2017)** Score 1

4. DSS stands for .....

(a) Digital Signal System (b) Design Support System  
(c) Decision Support System (d) Database Support System

**(Say 2016)** Score 1

5. Write short note on Supply Chain Management. **(Say 2018)** Score 1

6. Define the following ERP related technologies :

(a) CRM

(b) SCM

**(March 2018)** Score 2

7. Write the names of any two column constraints and their usage

**(March 2018)** Score 2

8. Write short note on SAP.

**(March 2018)** Score 2

9. Explain any three benefits of ERP system.

**(Say 2016 , 2017 & 2018 )** Score 3

10. Briefly explain any two ERP related technology.

**(March 2016)** Score 3

11. Explain the importance of BPR in ERP implementation.

**(March 2017)** Score 5

12. Selection of ERP package is very crucial in the implementation of ERP system. Give a short note on any four popular ERP packages.

**(March 2017)** Score 5

## 11 TRENDS AND ISSUES IN ICT

- 1..... is a packet oriented mobile data service on GSM.

**(March 2016)** Score 1

2. Name the intellectual property represented by the symbols ® ©

**(March 2018)** Score 1

3. .... is a Linux based mobile operating system from Google

a). ios b). Blackberry c). Android d) Windows Phone

**(Say 2017 & March 2016)** Score 1

4. SIM stands for .....

(a)Subscriber Information Module. (b)Subscriber Identity Module

(c)Subscriber Identity Machine. (d)Subscriber Information Memory

**(Say 2016)** Score 1

5. In ..... system several transmitters can send information simultaneously over a single communication channel.

a). CDMA b). GPS c). GSM d). None of these

**(Say 2016)** Score 1

6. A 4G mobile network uses .....

a). CDMA b). WCDMA c). OFCDMA d). None of These

**(March 2017)** Score 1

7. Write Short note on IPR infringement

**(Say 2017)** Score 1

8. Pick the odd one out

a). Kit Kat b). Jelly Bean c). Icecream Sandwich d). iOS

**(Say 2017)** Score 1

9. Expand the term CDMA

**(Say 2018)** Score 1

10. Differentiate GPRS and EDGE.

**(Say 2017)** Score 2

11. Define the following terms :  
 (i) SIM  
 (ii) MMS **(Say 2018)** Score 2
12. Define the following terms :  
 (a) Trademark (b) Copyright **(March 2018)** Score 2
13. GPS is useful for tracking vehicles by transport company.  
 How is it possible ? **(Say 2016)** Score 2
14. Write short note on Android operating system. **(March 2017)** Score 2
15. Raju sends a short message to his friend. Explain how the text message is exchanged. **(March 2016)** Score 2
16. Write a short note on mobile operating system. **(Say 2018)** Score 2
17. Name the following :  
 (a) Satellite based Navigation system  
 (b) Service used to send messages with Multimedia content.  
 (c) Packet oriented mobile data service on GSM  
 (d) Smart card technology used only in GSM phone Systems  
**(March 2018)** Score 2
18. What is copy right?, How it is differ from patent? **(March 2017)** Score 3
19. What is Cyber Crime ?  
 Write a short note on any two cyber crimes against individuals.  
**(Say 2016)** Score 3
20. What is Industrial Property Right ? Write a short note on any two Industrial Property Right. **(March 2016)** Score 3