

COMMON PRE-BOARD EXAMINATION 2017-2018**MULTIMEDIA AND WEB TECHNOLOGY****CLASS XII**

Time Allowed: 3 hours

Maximum Marks: 70

General Instructions:

1. Please check that this question paper contains 9 pages.
2. All questions are compulsory.
3. Answer the questions after carefully reading the text.

1. Answer the following questions based on DBMS.

- a) Write any four advantages of DBMS 2
- b) What is a composite key? 1
- c) Study the following data and answer the questions given below :

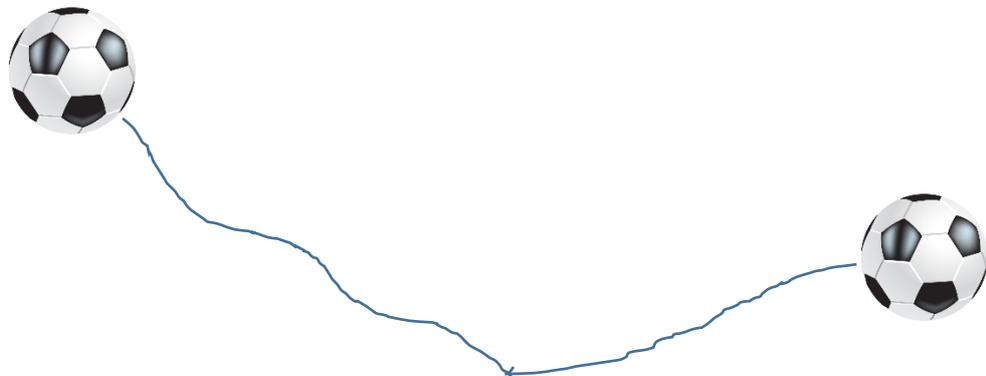
```
mysql> select * from faculty;
```

facId	name	department	rank
F101	Adams	Art	Professor
F105	Tanaka	CSC	Instructor
F110	Byrne	Maths	Assistant
F115	Smith	History	Associate
F221	Smith	CSC	Professor

- i. Identify the field which can act as the primary key for the table. 1
- ii. Write the command in MySQL to change the rank of facId 'F115' to Professor. 1
- d) Differentiate between GIF and PNG file formats. 1
- e) What is the full form of AVI? 1
- f) Write any two video file formats used while designing a web page. 1
- g) What is meant by exporting a flash movie? 2

2. Answer the following questions based on Macromedia Flash:

- a) What are the two different types of sounds in Flash? Explain. 2
- b) What is Animation? Name two types of tweening in flash. 2
- c) Differentiate between guide layer and mask layer. 1
- d) What is the name of the symbol which can be clicked? 1
- e) Consider the figure given below and do as directed : 4



- The ball on the right hand side shows the position for frame 1.
- The ball on the left hand side shows the position for frame 20.
- The ball on frame 1 moves to frame 20 through the path drawn.
- The image of the ball is saved as ball.jpg in flash library.

Write the procedures and property settings for animating the above scenario.

3. Answer the following questions based on HTML:

- a) What is the difference between <P> and <PRE> tags in html? 1
- b) Name the tag and attribute used to make a link open in a particular frame. 1
- c) Write the HTML code to generate the web page in the following format: 8

Consider the following while writing the HTML code:

- A. Title of the page should be 'Save Girl Child'.
- B. Link colour should be 'Maroon' and visited link colour should be 'Red'.
- C. Heading of page is 'violet'.
- D. Picture used in the page is the file 'savegirl.jpg'.
- E. Table should have border of width '1' and border colour should be 'green'.
- F. Background colour of first row in table is 'yellow' and second row is 'cyan'.
- G. Pages linked to :
At the national level is 'national.html'.
At the state level is 'state.html'.
At the district level is 'district.html'.
- H. Bottom message is of size 2 is linked to e-mail id : savegirl@abc.com.

Save girl child, educate girl child

Save girl child, educate girl child (Beti Bachao, Beti Padhao) is a Government of India scheme that aims to generate awareness and improving the efficiency of welfare services meant for women.



Project Implementation

- [1. At the National level](#)
- [2. At the State level](#)
- [3. At the District level](#)

The objectives of this initiative are:		
Prevention of gender biased sex selective elimination	Ensuring survival & protection of the girl child	Ensuring education and participation of the girl child

[For Further Enquiries](#)

4. Answer the following questions based on PHP:

- a) What is the purpose of `$_REQUEST`? Write an example to retrieve data using `$_REQUEST`. 2
- b) Rewrite the following code using `if...else`. 2

```
<?php
    switch($success) {
        case -1 :
            $x1 = "No Result";
            break;
        case 0 :
            $x1 = "Final Result – Not Successful";
            break;
        default :
            $x1 = "Result Not Known";
    }
?>
```

- c) Using PHP, create a text file saved as `C:\xampp\htdocs\test\exam.txt` in which write four lines of English poem as written below. 3

Can I call you yard to yet.
And believe you too can fly.
The sadness of a human bird's bet
Is that you both know why.

In the same file write the code to display the lines of text that are beginning with the letter 'A'.

- d) Give the output of the following statements. 3
- i. `echo(str_word_count("Good morning, have a nice day"));`
 - ii. `echo(strchr("India is my country","a"));`
 - iii. `echo(8*6%5+7-2);`

5. Answer the following questions based on PHP :

a) Predict the output of the following code segment:

2

```
<?php
    $m=5;$prod=1;$i=1;
    while($i<=5) {
        $prod = $prod + $prod*($m%2);
        --$m;
        ++$i;
    }
    echo "The value of prod is :".$prod;
?>
```

b) Study the code given below and answer the questions that follow:

2

```
<?php
function display($x,$y)
{
    $x = $x+$x;
    $y=$y*$y;
    echo $x.$y."<br>";
}
$p = 2;
$q = 3;
echo $p.$q."<br>";
display($p,$q);
display($q,$p);
?>
```

- I. How many times the function display will get executed?
- II. Give the output of the above code.

- c) Following is the code to create connection to server and to update the salary of the employee to 50000 whose empid is 'E109' from the table employee in the database 'xyz'. Fill in the blanks to complete the code. 3

```
<?php
    $servername = "195.10.10.28";
    $username = "12c15";
    $password = "abcd";
    $database = "xyz";
    //create connection
    $conn = mysqli_connect($servername,-----,-----,-----);
    //check connection
    if(!$conn) {
        Die("Connection Failed ".-----_connect_error());
    }
    $sql = "----- employee ----- salary=50000 where
empid='E109'";
    if(mysqli_-----($conn,$sql))
    {
        echo "Record Updated Successfully";
    }
    else
    {
        echo "Unsuccessful Record Updation".mysqli_error($conn);
    }
    // close the connection
    mysqli_-----($conn);
?>
```

- d) Write a PHP code to set a cookie named "Cinnamen" and value "Nutty". The cookie should expire after 3 days. Also display the values stored in \$_COOKIE. 3

6. Answer the following questions based on JavaScript :

a) Differentiate between Entry controlled loop and exit controlled loop. 2

b) Write the output of the following code segment : 2

```
<script language = javascript>
    var p,q;
    p = 5;
    q = 30;
    do {
        p = p + 6;
        document.write(p+"<br>");
    }while(p<=q);
</script>
```

c) Rewrite the following code using for loop. 2

```
<script language = javascript>
    var a,sum;
    a = 10;
    sum = 0;
    while(a>=1){
        document.write("The countdown begins :"+a);
        sum = sum+a;
        a = a-1;
    }
    document.write("The Sum is :"+sum);
</script>
```

d) Write the HTML code to generate the following form : 4

HOP AND DANCE FEE CALCULATOR

Enter Child's Age

Fee Amount

Write the Javascript code, on the click of the CALCULATE button, to display the fee for the Dance course as :

Rs.600 for children aged 6 – 10.

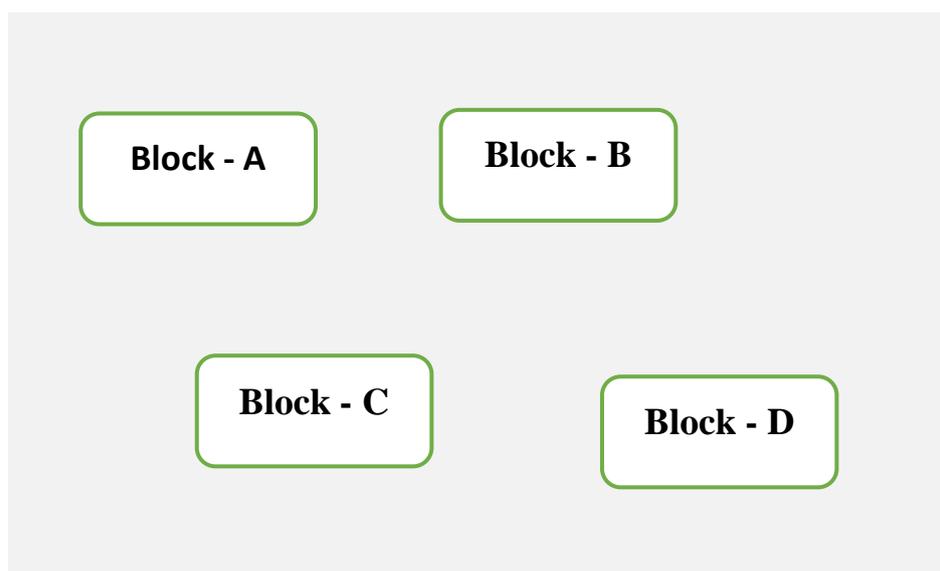
Rs.1000 for children aged 11 – 16.

“Not Allowed” for any other age.

The user input the child’s age in the top text box and the fee amount or the message “Not Allowed” should be displayed in the second text box.

7. Answer the following questions based on Communication and Networking Concepts:

- a) Differentiate between hacker and cracker. 2
- b) What do you understand by WLL? 1
- c) Why fiber optic cable is preferred over twisted pair cable and coaxial cable? 2
- d) Which of the following comes under cyber crime ? 1
 - A. Photocopying a printed report.
 - B. Working on someone’s computer with permission.
 - C. Operating someone’s internet banking account to withdraw money.
- e) The Tangy Flavours Pvt. Ltd. Has set up its new centre at Karnataka for its online and web based activities. It has 4 blocks of buildings as shown in the diagram below:



The distance between the different blocks are given below:

Block A to Block B	70m
Block B to Block C	180m
Block C to Block D	60m
Block A to Block D	80m
Block B to Block D	40m
Block A to Block C	110m

No of computers

Block A	35
Block B	60
Block C	140
Block D	10

Answer the following questions based on the above given information :

- i. Suggest a suitable cable layout(s) for connecting the blocks. 1
- ii. Where do you think the server should be placed and explain why? 1
- iii. Which of the following communication media, will you suggest to be procured by the company for connecting to a new branch office in New Delhi for very effective and fast communication? 1
 - Ethernet Cable
 - Optical Fiber
 - Telephone cable
- iv. Where and why should repeaters and hub/switch be used? 1
