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**PRESIDENCY UNIVERSITY
BENGALURU
SCHOOL OF INFO. SCIENCE**

Mid Term Examination

SET - A

Odd Semester: II Sem (AY 2021-22)

Course Code:BCA 2011

Course Name: Web design and Development

Program &Sem:BCA, BDS, SOMS II Sem

Date: 12.MAY.2022

Time: 1:30PM to 3.00 PM

Max Marks:50

Weightage:25%

Instructions:

- (i) *Read the question properly and answer accordingly.*
 - (ii) *Question paper consists of 3 parts.*
 - (iii) *Scientific and Non-programmable calculators are permitted.*
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Part A[Memory Recall Questions]

Answer all the Questions.Each question carries TWO marks.

(10Qx2M=20M)

1. Explain about <PRE> tag [(CO2) [Knowledge]
- 2 Describe about generic and class selector in styles [(CO2) [Knowledge]
3. Compare any two differences <td> and <th> tag (CO2) [Knowledge]
4. Explain about rowspan and colspan [(CO2)[Knowledge]
5. Differentiate internet and intranet [(CO1) [Knowledge]
6. Identify any two server types and their purpose [(CO2) [Knowledge]
7. Write any four advantages of web applications over desktop application.(CO1) [Knowledge]
8. Define different levels of style sheets [(CO2) [Knowledge]
9. Compare between static web page with dynamic web pages [(CO2) [Knowledge]
10. Summarize how external style sheet defined in html file [(CO2)[Understanding]

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries EIGHT marks. (2Qx5M=10M)

11. Environment department wants to prepare a list with names of states which came under low rainfall in year 2021-22. Write code in html to display following list. (CO1)[Application]

Names of states with low rainfall in year 2021-22

- i. Karnataka
- ii. Kerala
- iii. Delhi
 - a. Urban Delhi
 - b. Rural Delhi
- iv. Tamil Nadu

12. ISE department wants to arrange special classes with 4 subjects 5 days a week. Subject names are SUB1, SUB2, SUB3 and SUB4. Days are MON, TUE, WED, THU, FRI. Create table. (CO1) [Application]

Part C [Problem Solving Questions]

Answer all the Questions. Each question carries TWELVE marks (1x20M=20M)

13. Student welfare department is collecting different information from students to build their career. A simple webpage is needed to accept their details. Write code to create a webpage as shown below. (CO1)[Application]

Student information

Name of student

Password

student age group

20-30yrs
 30-40yrs
 more than 40

address for communication

Email of student

selected branch

sports interested in cricket
 basket ball
 table tennis



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PRESIDENCY UNIVERSITY
BENGALURU
SCHOOL OF INFO. SCIENCE

Mid Term Examination

SET – B

Odd Semester: II Sem (AY 2021-22)

Date: 12.MAY.2022

Course Code:BCA 2011

Time: 01:30PM - 03.00 PM

Course Name: Web design and Development

Max Marks:50

Program &Sem:BCA, BDS, SOMS II Sem

Weightage:25%

Instructions:

- (i) *Read the question properly and answer accordingly.*
- (ii) *Question paper consists of 3 parts.*
- (iii) *Scientific and Non-programmable calculators are permitted.*

Part A[Memory Recall Questions]

Answer all the Questions.Each question carries TWO mark.

(10Qx2M=20M)

- | | |
|---|-------------------|
| 1. Explain about anchor tag | (CO2) [Knowledge] |
| 2. Describe about universal selector class | (CO2) [Knowledge] |
| 3. Compare any two differences ordered list and unordered list tag. | (CO2) [Knowledge] |
| 4. Illustrate about information required for effective web design. | (CO2) [Knowledge] |
| 5. List out benefits of using CSS. | (CO2) [Knowledge] |
| 6. Explain any two purpose of network layer. | (CO2) [Knowledge] |
| 7. Write layered architecture of network. | (CO1) [Knowledge] |
| 8. Define different levels of style sheet. | (CO2) [Knowledge] |
| 9. Summarize importance of security in webpage. | (CO2) [Knowledge] |
| 10. Write how document level style sheet defined in html file. | (CO2) [Knowledge] |

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries EIGHT mark.

(2Qx5M=10M)

11. A company collected data from 3 different states. Data is about population above age 70, 50-70age group people, 30-50 age group people, 5-30 age group people and kids. Show how this can be shown as tabular data in HTML page. (CO1) [Application]

12. For a web developer, he should be aware of web development process. What are the different steps involved in web development process, discuss (CO1) [Application]

Part C [Problem Solving Questions]

Answer all the Questions. Each question carries TWELVE mark.

(1x20M=20M)

13. A grocery shop owner wants to create webpage where customers can provide their choice of product to be selected. He wants to give additional information about his shop such as address and working hours. Write code to create webpage for him. (CO1) [Application]

Grocery/ shop

Name of Shop

Name of shop keeper

Dairy prodcuts availabe milk
 butter
 Ghee

Email of shop keeper

Address of shop

shop timing 9am to 12pm
 12pm to 4pm
 5pm to 7pm

Grocery available



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**PRESIDENCY UNIVERSITY
BENGALURU**

SCHOOL OF INFORMATION SCIENCE

END TERM EXAMINATION

Winter Semester: 2021 - 22

Course Code: BCA2011

Course Name: Web Design and Development

Program & Sem: BCA – II Sem

Date: 30th June 2022

Time: 01:00 PM to 04:00 PM

Max Marks: 100

Weightage:50%

Instructions:

(iv) Read the all questions carefully and answer accordingly.

Part A [Memory Recall Questions]

**Answer all the Questions. Each question carries 2 marks.
20M)**

(10Qx 2M=

1. Describe nested html elements? Explain with examples (C.O.No.1)
[Comprehension]
2. Explain CSS. What are advantages of CSS? (C.O.No.1)
[Comprehension]
3. List out background properties and list properties and show how they are defined? (C.O.No.1)
[Comprehension]
4. Explain about box model with relevant diagram. (C.O.No.1)
[Comprehension]
5. Compare !== and != in javascript. Show with example. (C.O.No.1)
[Comprehension]
6. Show how password can be taken through html. (C.O.No.1)
[Comprehension]
7. Discuss about "form". How it can be used to take different information (C.O.No.1)
[Comprehension]
8. Describe ordered list can be used in HTML. With example show. (C.O.No.1) [Comprehension]
9. Illustrate with example show how row span can be used in table. (C.O.No.1) [Comprehension]
10. Discuss XHTML document structure. Explain with example. (C.O.No.1)
[Comprehension]

Part B [Thought Provoking Questions]

Answer all the Questions. Each question carries 10 marks.

(5Qx10M=50M)

11. A web developer developing a web page and he needs set with proper border. Illustrate border properties width, height, cell spacing, cell padding, background color, align

(C.O.No.2)

[Comprehension]

12. A student is doing web project and to consider following tags for his project

`<p> <a> <pre> <meta>`

How these tags can be used to make webpage proper. Demonstrate its usage with example.

(C.O.No.2)

[Comprehension]

13. A creative company come up with web page to demonstrate factorial of numbers. Write php program to find factorial of number using recursive function.

(C.O.No.2)

[Comprehension]

14. A math teacher gives problem on quadratic equation. Student who knows javascript needs to find roots using java script. Write code and output to help him.

(C.O.No.1)

[Comprehension]

15. A research student needs to list out different operations on array in php. Write different functions and explain each of them.

(C.O.No.1)

[Comprehension]

Part C [Problem Solving Questions]

Answer the Question. The question carries 10 marks.

(1Qx30M=30M)

25. A cricket coach wants to start coaching classes to his students. He wants to train kids on batting, bowling, fielding, keeping. He trains batting on Monday to Wednesday first one hour, bowling for next 2hrs. Then lunch break, then 1 hr keeping and 1 hr for fielding. Thursday to Friday first one fielding, keeping for next 2hrs. Then lunch break, then 1 hr batting and 1 hr for bowling. Every day class starts at 10am.

Create a time table for him so that he can put it in his website. Use rowspan and colspan if same class runs across different hrs or across different days. Make use of different fonts, border types, colors using external CSS.

(C.O.No. 3)

[Application]