**USN**

**21IS34**

**First/Third Semester B.E. / B.Arch. Semester End Examination, January-March 2022-23**

**WEB TECHNOLOGIES**

**Time: 3 Hours Max. Marks: 100**

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| ***Instructions:*** | ***1.*** | ***From Part A answer any 5 questions each Question Carries 6 Marks.*** |
|  | ***2.*** | ***From Part B answer any one full question from each unit and each Question Carries 10 Marks.*** |
|  | ***3.*** | ***From Part C answer any one full question and each Question Carries 20 Marks.*** |

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| **PART A** | | | | | | |
| **Answer any Five.** | | | **L** | **CO** | **PO** | **M** |
| **1.** | Describe different types of lists with an example for each. | | **(L2)** | **1** | **1** | **(6)** |
| **2.** | Describe the usage of navigational bars with an example. | | **(L2)** | **2** | **3** | **(6)** |
| **3.** | Elaborate creation of a table for a set of courses in a discipline and schedule for engaging the courses in a week having 6 days of working. | | **(L2)** | **1** | **1** | **(6)** |
| **4.** | Explain usage of selector forms with an example. | | **(L2)** | **3** | **3** | **(6)** |
| **5** | Summarize margin and padding using tailwind | | **(L2)** | **3** | **3** | **(6)** |
| **6.** | Demonstrate Making an AJAX call and retrieving the response. | | **(L2)** | **4** | **3** | **(6)** |
| **7.** | Demonstrate building a real-world website using Twitter | | **(L2)** | **4** | **3** | **(6)** |
| **PART B(minimum L3 level questions)** | | | | | | |
|  |  | **UNIT - I** | **L** | **CO** | **PO** | **M** |
| **8** | a. | Develop a static website to AWS Simple Storage Service | | | | |
|  |  |  | **(L3)** | **(1)** | **(1 )** | **( 5 )** |
|  | b. | Construct a web page for Handling of multiple file upload using multiple attribute | | | | |
|  |  |  | **(L3)** | **(1)** | **(3 )** | **( 5 )** |
|  |  | OR |  |  |  |  |
| **9** | a. | Organize the validation for a web page collecting information of a student. | | | | |
|  |  |  | **(L3)** | **(1)** | **(3 )** | **( 5 )** |
|  | b. | Model the working of UI using Figma. | | | | |
|  |  |  | **(L3)** | **(1)** | **(3 )** | **( 5 )** |
|  |  | **UNIT – II** | **L** | **CO** | **PO** | **M** |
| **10** | a. | Identify the different levels of applying style to a web page. | | | | |
|  |  |  | **(L3)** | **(2)** | **( 3 )** | **( 5 )** |
|  | b. | Develop a web page to use media rules and hide visibility of an element. | | | | |
|  |  |  | **(L3)** | **(2)** | **(3 )** | **(5 )** |
|  |  | OR |  |  |  |  |
| **11** | a. | Organize the Creation of 2D and 3D transformations. | | | | |
|  |  |  | **(L3)** | **(2)** | **(3 )** | **(5 )** |
|  | b. | Model the resize of UI and multiple columns feature. | | | | |
|  |  |  | **(L3)** | **(2)** | **(3 )** | **(5 )** |
|  |  | **UNIT - III** | **L** | **CO** | **PO** | **M** |
| **12** | a. | Distinguish tailwind CSS and bootstrap | | | | |
|  |  |  | **(L3)** | **(3)** | **(3 )** | **(5 )** |
|  | b. | Build a web page to demonstrate element sizing, flexbox and grid. | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **( 5 )** |
|  |  | OR |  |  |  |  |
| **13** | a. | Organize a web page to represent padding and margins. | | | | |
|  |  |  | **(L3)** | **(3)** | **(1 )** | **( 5 )** |
|  | b. | Generate squares and cubes of numbers from 1 to 10 using functions in javascript. | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **( 5 )** |
|  |  | **UNIT - IV** | **L** | **CO** | **PO** | **M** |
| **14** | a. | Develop a web page to demonstrate drop down menu using bootstrap. | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **( 5 )** |
|  | b. | Build a real-world website using Twitter. | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **( 5 )** |
|  |  | OR |  |  |  |  |
| **15** | a. | Model usage of custom Thumbnails. | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **( 5 )** |
|  | b. | Generate Signin/Signup form using Jumbotron | | | | |
|  |  |  | **(L3)** | **(3)** | **( 3 )** | **(5 )** |
|  |  | **UNIT -V** | **L** | **CO** | **PO** | **M** |
| **16** | a. | Build a web page to collect information using Bootstrap ScrollSpy. | | | | |
|  |  |  | **(L3)** | **(4)** | **(3 )** | **( 5 )** |
|  | b. | Organize a web page using an AJAX call and retrieving the response. | | | | |
|  |  |  | **(L3)** | **(4)** | **( 3 )** | **( 5 )** |
|  |  | OR |  |  |  |  |
| **17** | a. | Generate a web page for Working with Google APIs Adding social plugins on your web page provided by LinkedIn | | | | |
|  |  |  | **(L3)** | **(4)** | **(1 )** | **(5 )** |
|  | b. | Model Using git- commands and concepts | | | | |
|  |  |  | **(L3)** | **(4)** | **(3 )** | **( 5 )** |
| **PART C** | | | **L** | **CO** | **PO** | **M** |
| **18** | a. | Build a web page to collect the information of a student during admission to an institute. Perform validation of all the fields collected. |  |  |  |  |
|  |  |  | **(L4/L5)** | **(2)** | **( 3 )** | **(10)** |
|  | b. | Compose the usage of image sprites and gradients. |  |  |  |  |
|  |  |  | **(L4/L5)** | **(3)** | **( 3 )** | **(5)** |
|  | c. | Construct a web page to summarize application of animations and transitions to HTML elements |  |  |  |  |
|  |  |  | **(L4/L5)** | **(3)** | **( 3 )** | **(5)** |
|  |  | OR |  |  |  |  |
| **19** | a. | Create web page to utilize the event handling for all the events that happen during use of a webpage. Apply the styles to the page using tailwind CSS. |  |  |  |  |
|  |  |  | **(L4/L5)** | **(2)** | **(3 )** | **(10)** |
|  | b. | Discuss text and image grids using Bootstrap. |  |  |  |  |
|  |  |  | **(L4/L5)** | **(4)** | **( 3 )** | **(5)** |
|  | c. | Create a web page to view http request object. |  |  |  |  |
|  |  |  | **(L4/L5)** | **(4)** | **( 3 )** | **(5)** |