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| **ST. JOSEPH’S UNIVERSITY, BANGALORE-27** | | | | | | |
| **MSc Computer Science–2nd SEMESTER** | | | | | | |
| **SEMESTER EXAMINATION: APRIL 2024**  **(Examination conducted in May/June 2024)** | | | | | | |
| **CS8321- Advanced Web Technologies**  **(For current batch students only)** | | | | | | |
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| **Time- 2 hrs** | |  | **Max Marks-50** | | |
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| **This paper contains two printed pages and three parts**  **PART A**  **Answer All the following questions. 5 \* 2=10**   1. What is the scope of the variables in JavaScript? 2. Compare and contrast GET and POST methods. 3. What can you infer from Document Object Model (DOM)? 4. Give the details about Angular components. 5. How would you determine the facts about Angular pipes?   **PART B**  **Answer any FIVE of the following: 5 \*4 =20**   1. How would you portray external and internal style sheet? 2. Write ES6 codeto validate the following fields of the Registration page.    1. First Name (Name should contains alphabets and the length should not be less than 6 characters).    2. Password (Password should not be less than 6 characters length). 3. Devise a way to add a new component for your app. 4. How would you explain to create an Angular service and use dependency injection to include it in your app? 5. Demonstrates how to add routes to your app. 6. Write a Type Script code to find out the Sum of the Individual Digits. 7. How can you describe firebase arrays with an example?   **PART C**  **Answer any TWO of the following. 10\*2=20**  13. a) List the statements that are used to connect front end with the backend.  b) Create the Time Table of your class using HTML table tag.  14. a) Create Style sheet to set formatting for text tags and embed that style sheet on web pages created for your site.  b) Show how to write your data to Firebase.  15. Develop and demonstrate JavaScript with POP-UP boxes and functions for the following problems:  a) Input: Click on Display Date button using onclick( ) function  Output: Display date in the textbox  b) Input: A number n obtained using prompt  Output: Factorial of n number using alert  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | | | | | | |
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