

Department of Computer Science & Engineering

QUESTION BANK FOR VI SEMESTER (Term: Jan-May 2019)

Web Technologies Laboratory (CSL68)

I.A. Marks : 50
Credits : 0:0:1
Exam Hours: 03
Exam Marks: 50

1.	(a) Write a Java script function called fixStart which takes a single string argument and return a version where all occurrences of its first character have been replaced with '*', except for the first character itself. Length of string is > 1. For example: fixStart('babble'): 'ba**le' (b) Using Node.js Express and Mongo, implement a program to accept USN, Name, Subject_code, CIE marks and store the information in a database and display students whose CIE<20
2.	(a) Write a javascript closure to calculate net price of a product along with tax. (b) Write a node.js program using Express framework to accept following data of an employee: ID, name, surname, Designation and salary. Validate the script with Name, surname and Salary such that Name should not be empty, surname is string and Salary is an integer. (Note: Use Express Validator)
3.	(a) Write a javascript to implement a Calculator using prototype, which has add, subtract and getAnswer functions which supports chaining, that means we should be able to do new Calculator(2).add(2).add(2).subtract(3).getAnswer() to get 3 as the answer. (Note: Do not use class) (b) Using Node.js Express and Mongo, develop a program to implement Voting system. Create a form to accept people votes for different parties and insert into the database. Display the overall results of different parties.
4.	(a) Write an AngularJS program to print Name, Address and Company of an Employee. When you Click on CHANGE button, the name and address should be changed by using controller which has new name and address without changing the Company (use one-way and one time binding) (b) Write a Node.js program using Express framework and create a on-line training site with three pages of content: Home, Registration, Announcements & Contact. Use routing to swap between them.
5.	(a) Write an Angular MVC program which accepts the Name from the form. As you type, it updates the Name in the page with an h1 tag. (b) Using Node.js Express and Mongo to implement a program to accept 'Student' information viz. Name, USN, Dept, Grade from a web page and store the information in a database and update Student grade with the name specified by the user and display the results.
6.	(a) Write an AngularJS program which has check box and edit fields. When the checkbox is checked, the edit fields are visible. When it is not checked, the edit fields are hidden. Use ng-model and ng-show. (b) Write a Node.js program using Express framework to display different branch information offered in an Engineering College with different background color and fonts (Note: Use Routing, Min: 3 branches)
7.	(a) Design a Student Form using HTML5 which has following fields <ul style="list-style-type: none"> a) Name : Required must be characters b) Email : Validation placeholder: please enter valid email address c) Phone : accept numbers in the following format (080-555-5555) d) Semester : For the range 1 to 8 e) Branch :Data list f) Website :Required pattern of the form-http:// (b) Create an Exam Management system using Mean Stack Framework for creating student database and display students who have secure 'S' grade. (Use Appropriate fields)

8.	<p>(a) Write an npm script having a function vowelCount() that takes a string as input and counts number of occurrences of each vowels in the string. (Hint: run the program through npm start) For. Eg. Input : vowelCount('Le Tour de France') Output: a, e, i, o, and u appear, respectively, 1, 3, 0, 1, 1 times</p> <p>(b) Using node.js Express and Mongo to implement 'FinalYears' database which accepts 'USN', 'Name' and 'Company_name' (by campus selection) as fields and store it in a database. Display the list of students who are selected for 'Infosys'</p>
9.	<p>(a) Write an AngularJS program to display your favorite book from the list of books using ng-switch or ng-repeat.</p> <p>(b) Using Node.js Express and Mongo to accept user name, Branch, Semester, from web page and display the all the students who belongs to 6th Semester and CSE branch.</p>
10.	<p>(a) Write a node.js Express program to create a custom middleware functions for</p> <ol style="list-style-type: none"> Logger No. of time the visitor visited the website <p>(b) Using Node.js Express and Mongo to accept the fields 'ID', 'Title', 'Name', and 'branch' of a faculty and store it in the database. Display all the faculty who belongs "CSE" branch and Title is "PROFESSOR".</p>
11.	<p>(a) Create a web page with the following characteristics using BOX Model</p> <ul style="list-style-type: none"> h1's have 1px red solid borders, background color #D18C1D, and 10px of space between the content and the border (padding) List items have 15px extra space around them (margin) and background color #C0A9DB Paragraphs are contained in 600px by 400px boxes with 2px black dotted borders and background color #D1D631 <p>(b) Create an Attendance Management system using Mean Stack Framework for creating student database display student's who have attendance below 75% (Use Appropriate fields)</p>
12.	<p>(a) Write a javascript function testNum that takes a number as an argument and returns a Promise that tests if the value is less than or greater than 10.</p> <p>(a) Create an Exam Management system using Mean Stack Framework for creating student database and display Not Eligible Student List based on the Marks<20. (Use Appropriate fields)</p>

Marks Distribution

Conduction and Result	Write Up	Execution	Viva	Change of Program	Total
Part – a	8	15 Marks	7 Marks	-10 Marks	50 Marks
Part – b		20 Marks			