**KLS Gogte Institute of Technology, Belagavi**

**Department of Computer Science & Engineering Program : BE Academic Year: 2019-20**

**Internal Assessment Test I**

**Course: Advanced Web (Elective) Semester : V Code: 16CS551**

**Max. Marks: 25 Duration: 1 Hr. Date: 18/09/2019**

***Instructions: Answer any 5 out of 7 questions. Each carry equal Marks.***

1. **Define ajax? Bring out the difference between tradition model and ajax model with appropriate diagram. List and explain any five basic principles of ajax. [L2, CO1, PO1]. 5M**
2. **Define Angular Js? Differentiate one way data binding and two way data binding with appropriate diagram. [L1,L2, CO1, PO1]. 5M**
3. **Define the following [L1, CO1, PO1]. 5M**

**a.Cache Control b. Full stack development c.Node Js d.mongoose e.github**

**KLS Gogte Institute of Technology, Belagavi**

**Department of Computer Science & Engineering Academic Year: 2018-19**

**Internal Assessment Test I – FAST TRACK**

**Subject: Advanced Web (Elective) Code: 16CS551**

**Semester: V Date: 01/07/2019**

**Max. Marks: 25 Duration: 1 Hr.**

***Note: Answer any 5 questions.5 Marks each.***

1. **a) Illustrate the HTTP response format with proper example.**

**b) List out the common status codes for HTTP response. [L3, CO1, PO3]. 5M**

1. **Define Angular Js? Differentiate between relational and document databases. [L1,L2, CO1, PO1]. 5M**
2. **List and explain the Application Architecture options for building a MEAN Stack application with appropriate diagram. [L1,L3, CO1, PO1]. 5M**
3. **Explain the five different stages of rapid prototype development in building the MEAN stack application [L3, CO1, PO1]. 5M**

**Fourth Semester B.E. Fast Track Semester End Examination Oct/Nov 2020  
Advanced Web Programming**

1. **List and explain any five basic principles of ajax L2 CO-1, PO1 05M**
2. **Write an ajax code to fetch content from a text file and display it on the webpage. L3,CO-1,PO-3 10M**
3. **Explain with example code methods and properties of XMLHTTP object L2, CO-1,PO-1 10M**
4. **Write a code to implement Google Suggest like feature using Ajax and PHP L3, CO-1,PO-3 10M**
5. **a. Explain with the Diagram one-way data binding and two-way data binding. L2, CO-1,PO-1 10M**

**b. What is the difference between development hardware and production hardware ? Recommend suitable hardware architecture for the following Scenarios. Justify your recommendations.**

* 1. **An application with low amount of traffic**
  2. **For Platform as a Service**
  3. **Growing traffic**
  4. **Overloading traffic or thousands of requests per second. L5, CO-1,PO-3 10M**

**KLS Gogte Institute of Technology, Belagavi**

**Department of Computer Science & Engineering Academic Year: 2020-21**

**Internal Assessment Test I – FAST TRACK**

**Subject: Advanced Web (Elective) Code: 16CS551**

**Semester: V Date: 30/08/2021**

**Max. Marks: 25 Duration: 2 Hr.**

***Note: Answer any 5 questions.5 Marks each.***

1. **Define Angular Js? Differentiate between relational and document databases. [L1,L2, CO1, PO1]. 5M**

**Department of Computer science and Engineering**

**Fifth Semester – Advanced Web (16CS551)**

**Open Book Assignment -1**

**Submission Date: 01-09-2021**

**1 Design a html form for Student registration form along with the following information : Student Name, USN, Branch, Semester. Perform form validation of all the fields with appropriate event handlers using AJAX.**

**Fourth Semester B.E. Fast Track Semester End Examination Oct/Nov 2021  
Advanced Web Programming**

1. **a. Compare classic web application model with Ajax Web application model L2 CO-1, PO1 05M**

**2 a. Explain the benefits of full stack development. L2, CO-1,PO-1 05M**

**b. Which is the better approach : Single threaded web server or multithreaded server ? Justify your answer with proper reasoning. L4 CO-1 PO-1 05 M**

**3 a. Explain with the diagram MEAN stack architecture. Also explain the purpose of each technology in MEAN stack. L2, CO-1,PO-1 10M**

**b. Recommend a suitable MEAN stack architecture for blog application. The blog application has to interfaces one for blog entries and another for admin interface. While designing architecture consider conflicting requirements of both the interfaces i.e., blog entries and admin interfaces L5, CO-1, PO-3 10M**

**KLS Gogte Institute of Technology, Belagavi**

**Department of Computer Science &Engineering Academic Year: 2021-22(ODD SEM)**

**Program: B.E (Computer Science) Semester: 5**

**Assignment – 1**

**Course Title: ADVANCED WEB Code: 18CS551**

**Duration: 1 Hr Date: 01-12-2021**

**Answer all questions(Each question carries equal marks)**

| **Q. No.** |  | **[L]]** | **[CO]** | **[PO]** |
| --- | --- | --- | --- | --- |
| **1** | **Define AJAX. How is it different from traditional development? List and explain in brief any 5 websites using AJAX.** | **1,2** | **1** | **1** |
| **2** | **Develop a web page which reads from a text file and on click of a button, displays the content using AJAX.** | **3** | **1** | **2** |
| **3** | **Explain (i) DOM (ii) DOM tree. Develop a page to update page content dynamically using DOM.** | **2,3** | **2** | **2** |
| **4** | **Explain (i) Node.js and its benefits. (ii)AngularJS and its benefits. Explain with diagram one-way data binding and two-way data binding.** | **2** | **2** | **3** |
| **5** | **Explain the 5 stages of the development of a website.** | **2** | **2** | **3** |