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T.E. (Information Technology)
Web Application Development
(2019 Pattern) (Semester - II) (314453 (A))

Time : 2½ Hours] [*Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 or Q8*

2) *Figures to the right side indicate full marks.*

Q1) a) Write a simple application in typescript to demonstrate the use of modules. **[9]**

b) What is pipe? Demonstrate the code for pipes in Angular. **[9]**

OR

Q2) a) Give the simple layout of the Angular application with multiple components. Explain how to create and use components in Angular?**[9]**

b) Explain the basic hooks in React JS. Explain any two hooks in brief.**[9]**

Q3) a) What is CRUD? Explain the CRUD using node. JS. **[9]**

b) What is node. JS? Explain file handling in node. js. **[8]**

OR

Q4) a) Write a code using Express. JS to illustrate the concept of roots. **[9]**

b) What is replication? Enlist the advantages of replication in database system. **[8]**

P.T.O.

Q5) a) What is navigation? Write a code to navigate from one page to another page in jQuery mobile. **[9]**

b) What is jQuery mobile? Explain layout in jQuery Mobile design with its types. **[9]**

OR

Q6) a) Why CSS is important in designing mobile websites? Give an example of CSS class used for mobile website design. **[9]**

b) List any five widgets in jQuery mobile and explain any two in brief. **[9]**

Q7) a) What is EC2 service? Explain steps to deploy website on EC2. **[9]**

b) What is AWS cloud? What are the services provided by AWS? Explain any two in brief. **[8]**

OR

Q8) a) What is ELB? What are the ELB types? List advantages of ELB **[9]**

b) What is VPC? What are the components of VPC? **[8]**

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