[6180]-147
T.E. (IT)
WEB APPLICATION DEVELOPMENT
(2019 Pattern) (Semester - II) (314464A)

Time : 2½ Hours]　　　　　　　　　　　　　　　　　　　　　*[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6 and Q7 and Q8.*
2) *Figures to the right side indicate full marks.*
3) *Use of nonprogrammable calculator is allowed.*
4) *Assume suitable data if necessary.*

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 CRUDE? Explain the crude CRUDE in 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]**

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]**

P.T.O.

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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