P827

[5870]-1150

T.E. (I.T.)

WEB APPLICATION DEVELOPMENT

(2019 Pattern) (Semester - II) (414464A)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data, if necessary.*

Q1) a) What is MVC? Explain MVC architecture in detail. **[6]**

    b) Explain event binding and property binding in angular with example. **[6]**

    c) Explain different types of Hooks in ReactJS. **[6]**

OR

Q2) a) What is TypeScript? List advantages & disadvantages of using it. **[6]**

    b) What is Pipe? Explain with example. **[6]**

    c) Explain Redux - Architecture in detail. **[6]**

Q3) a) Explain ExpressJS as middleware with example. **[5]**

    b) What is NoSQL? Explain different features of MongoDB. **[6]**

    c) Explain callbacks in NodeJS with suitable example. **[6]**

OR

Q4) a) Explain concept of routes in express with example. **[5]**

    b) Write code to create collection, insert data & delete data in MongoDB using NodeJS. **[6]**

    c) Explain NodeJS events with example. **[6]**

Q5) a) What is Mobile-First and Mobile Web? List different Mobile Devices. **[6]**

b) What is jQuery Mobile? Explain Mobile jQuery Framework in detail. **[6]**

c) Explain any 3 events in jQuery Mobile with example? **[6]**

OR

Q6) a) Compare jQuery with jQuery Mobile. **[6]**

b) What is jQuery Mobile? What are the advantages and disadvantages of jQuery Mobile? **[6]**

c) Write a code to create a header and footer in jQuery Mobile. **[6]**

Q7) a) Explain in detail types of Elastic Load Balancer. **[6]**

b) What are the different components of VPC? **[5]**

c) What is elastic beanstalk and enlist the advantages of using it? **[6]**

OR

Q8) a) Explain any three AWS Storage services. **[6]**

b) What is Elastic Load Balancer and explain its working. **[5]**

c) What is AWS cloud? List different services provided by it. **[6]**

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