[5254]-680

B.E. (Computer Engineering)

MOBILE APPLICATIONS

(2012 Pattern) (Semester - II)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

    1)   *Answer Q.1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*

    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 do you mean by dedicated mobile Website? Explain in detail. **[5]**

    b)   Which tool would you recommend for debugging web services?   **[5]**

OR

Q2) a)   What are the myths associated with mobile development?   **[4]**

    b)   Define WAP1 and support your answer with WAP1 architecture.   **[4]**

    c)   Differentiate between WAP1 and WAP2. Any two points.   **[2]**

Q3) a)   Write short note on Native, Hybrid and HTML Apps.   **[5]**

    b)   What is the need of CSS in Mobile Applications? Write a simple code sample illustrating the concepts?   **[5]**

OR

Q4) a)   Explain WML and XHTML Mobile profile.   **[5]**

    b)   Explain basics of HTML 5. Design a HTML 5 Form with HTML Tags for select list for single selection in the form.   **[5]**

Q5) a) Explain in detail user agent spoofing and HTTP sniffing? Support your answer with example? **[6]**

b) Write short note on HTTP Live streaming with suitable example? **[6]**

c) Write a short note on device interaction. **[5]**

OR

Q6) a) Explain in detail the Architecture of Web App development with suitable diagram. **[6]**

b) Explain in detail problems and solutions associated with Mobile Device Detection. **[6]**

c) How will you optimize the performance factors in web technology? **[5]**

Q7) a) Explain the tools for J2ME programming. **[6]**

b) What are the different type of JavaScript Debugging. Explain any one type? **[6]**

c) What is DOM , explain in details? **[5]**

OR

Q8) a) Write a short note on JQuery? **[6]**

b) What is JavaScript Libraries and how they can be used to develop mobile website? **[6]**

c) Explain Enyo and Montage framework. **[5]**

Q9) a) Explain Web SQL database API in detail. **[6]**

b) Explain Web Sockets in detail. **[6]**

c) Describe how google map API is used to show maps on mobile devices? **[4]**

*Q10)*a) Illustrate how a user will locate you using SMS and Email?   **[6]**

b) Define and explain Mobile SEO.   **[6]**

c) Explain mobile tiny URL and QR Codes?   **[4]**

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