

[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 Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.
- 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]

P.T.O.

Nov 17

- 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]

[5254]-680

OR

- Q10)a) Illustrate how a user will locate you using SMS and Email?
b) Define and explain Mobile SEO.
c) Explain mobile tiny URL and QR Codes?

[6]
[6]
[4]

○○○