

SE - 214

Seat No.	
-------------	--

Total No. of Pages : 2

**B.E. (Computer Science and Engineering) (Semester-VII)
Examination, November - 2018**

MOBILE APPLICATIONS (Elective - I)

Sub. Code : 67546

Day and Date : Thursday, 29 - 11 - 2018

Total Marks : 100

Time : 02.30 p.m. to 05.30 p.m.

- Instructions:
- 1) Figures to the right indicates full marks.
 - 2) Question no 4 and 8 are compulsory.
 - 3) Attempt any two questions from remaining questions in each section.

SECTION - I

- Q1)** a) Explain in detail about progressive Enhancement with example [6]
b) What is web service? How to create example for web service client. [6]
c) Explain in detail about HTML5 Web Apps [4]
- Q2)** a) Why we should move from WAP1 to WAP2? [6]
b) Explain in detail HTML5 Mobile Boilerplate. [6]
c) Write short note on XHTML. [4]
- Q3)** a) Explain the benefits of using Mobile apps against mobile web site in terms of technology and usability? [6]
b) Explain CSS for mobile browsers. [6]
c) What is fragmentation? Explain any two strategies of it [4]
- Q4)** Write short note on (Any THREE) [18]
a) Tools for mobile web development
b) WML
c) Android emulator
d) OMA Standards

P.T.O.

SECTION - II

- Q5) a) What is difference between Client side detection and Server side detection. Explain ANY one technique for client side detection. [6]
b) List various codecs for videos. Explain HTML 5 video element in detail. [6]
c) What are pros and cons of a Web App. [4]
- Q6) a) Explain various Mobile Specific URIs for interaction with mobile from mobile web application. [6]
b) List various UI frameworks for mobile web application development. Explain ANY one in detail. [6]
c) Explain JavaScript APIs for file management. [4]
- Q7) a) Explain in detail HTML5 Web storage. [6]
b) What are different ways for communication between mobile web app and server. Explain ANY one in detail. [6]
c) Explain Geolocation API. [4]
- Q8) Write a short note on (any three) [3 × 6 = 18]
a) Modernizr
b) Server Sent Events
c) Responsive Images
d) Server Side Detection

