

15/05/19

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B.E / B.Tech (Full Time) END SEMESTER EXAMINATIONS – APRIL / MAY 2019

INFORMATION TECHNOLOGY

IT8011 - Mobile Application Development

(Regulation 2012)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What is the objective of mobile application?
2. Write down some characteristics of mobile applications.
3. Mention the difference between Mobile Web vs Native App.
4. What is the need of user interface?
5. List out the various design issues that needs to be considered during the development of mobile browser.
6. Specify SDK features of Android vs iPhone.
7. How to store data locally in an Android App?
8. Write a note on mobile telephony.
9. What is an Adapter?
10. Specify the sensors available in Android Mobile.



Part – B (5 x 16 = 80 marks)

11. a) i) Explain about the components of mobile framework for Android operating system. (12)
ii) Discuss about various types of mobile applications. (4)
12. a) Describe about prototyping and wireframing used for mobile application design.
(OR)
b) Write short notes on:
 - i) Device testing (8)
 - ii) Usability testing (8)
13. a) i) Describe about the web standards use for designing application in mobile. (10)
ii) How to define preferences in resource file? (6)

(OR)

b) Design a web application using cascading style sheet and JavaScript to support mobile environment.

14. a) i) Compare and contrast between Native Android with IOS Applications. (10)
ii) Discuss briefly about open handset alliance. (6)

(OR)

- b) i) Write an Android application, "Where am I" to return 'location'. (8)
ii) Explain various components of user interfaces to design a mobile application. (8)

15. a) Discuss in detail about data storage and retrieving data in mobile application.

(OR)

- b) Describe about peer to peer communication an Android based mobile application.

