



P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Seventh Semester, B.E. - Information Science and Engineering

Semester End Examination; Dec - 2017 / Jan - 2018

Mobile App Development

Time: 3 hrs

Max. Marks: 100

Note: Answer FIVE full questions, selecting ONE full question from each unit.

UNIT - I

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| 1 a. | Discuss the importance of mobile strategies with suitable examples. | 10 |
| b. | Describe the various costs associated with the development of mobile application with an example of your choice. | 10 |
| 2 a. | Define web service. Explain in detail the web services languages (formats) with relevant examples. | 12 |
| b. | Discuss the process of debugging web services with a suitable example. | 8 |

UNIT - II

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| 3 a. | Elaborate on the key mobile information design patterns. | 10 |
| b. | Discuss the various mobile platforms available with suitable examples. | 10 |
| 4 a. | Discuss the process of selection of mobile web development option with suitable examples. | 10 |
| b. | Explain the process of developing mobile web application using HTML5 with a sample code snippet. | 10 |

UNIT - III

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| 5 a. | Explain the steps involved in using the update manager feature of your eclipse installation to install the latest revision of ADT on your development computer. | 10 |
| b. | Explain some of best practices used in Android web development. | 10 |
| 6 a. | Discuss the tools needed to develop applications in iOS. | 10 |
| b. | Define objective C. Explain the basics needed to develop a simple calculator application using objective C. | 10 |

UNIT - IV

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| 7 a. | Discuss the process of obtaining a signing certificate and API key for an android application. | 10 |
| b. | Explain the concept of publishing your application on the Google play store. Elaborate on signing up as an Android developer. | 10 |
| 8 a. | Discuss the basic structure of the MicroJobs Database Class with a suitable example. | 10 |
| b. | Describe the steps to create a content provider with suitable examples. | 10 |

UNIT - V

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| 9 a. | Illustrate the use of the Google Maps Activity with a suitable example. | 10 |
| b. | Explain with an example the Map View and Map Activity. | 10 |
| 10 a. | Discuss the Android GUI Architecture in detail. | 10 |
| b. | Explain the concept of wiring up the controller with a suitable example of your choice. | 10 |

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