Reg. No._____ Name:____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

FOURTH SEMESTER MCA DEGREE EXAMINATION, DEC 2018

Course Code: RLMCA206
Course Name: MOBILE COMPUTING

Max. Marks: 60 Duration: 3 Hours

PART A

| Answer all questions. | | |
|-----------------------|--|------|
| 1. | What are the components of a wireless communication system? | (3) |
| 2. | What is mobile computing? Write down at least 4 characteristics of a mobile | |
| | computing environment. | (3) |
| 3. | GSM offers more services than just voice telephony. What are the basic services | |
| | provided by GSM? | (3) |
| 4. | Explain the special features that an operating system for a mobile device needs to | |
| | support compared to the features provided by a traditional operating system | (3) |
| 5. | What is a microkernel operating system? Why microkernel based design being | |
| | preferred for developing a mobile OS? | (3) |
| 6. | Using a suitable schematic diagram, explain how a traditional web access differs | from |
| | that done using WAP | (3) |
| 7. | 'An AVD is an emulator instance that enables you to model an actual device'. Is it | t |
| | true? Justify your answer. | (3) |
| 8. | If you want to navigate from one activity to another, android provides you which | |
| | class? | |
| | Suppose that there are two activities in an application named FirstActivity | and |
| | SecondActivity. You want to send a student roll number from FirstActivity to | |
| | SecondActivity. What code you will write? Suppose that roll number is 1. | |
| | Write the code to get the data in secondActivity. | (3) |
| PART B | | |

Answer six questions, one full question from each module.

9. What is Bluetooth? Explain its protocol stack structure with a neat diagram
 OR
 10. With the help of a neat diagram explain how mobile telecommunication system

(6)

works.

M4003

Pages: 2

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