Exam Roll No. ....

END TERM EXAMINATION

SIXTH SEMESTER [BCA] APRIL - MAY 2019

Paper Code: BCA-304	**Subject: Mobile Computing**
Time: 3 Hours	**Maximum Marks: 75**

Note: Attempt five questions in all including Q no. 1 which is compulsory. Select one question from each unit.

Q1   Answer the following:-   (2.5x10=25)
(a) Explain Radio Transmission.
(b) Explain Signal and Multipath Propagation.
(c) What is Cellular System?
(d) What is Spread Spectrum?
(e) Explain near and far terminals.
(f) What is GSM & CDMA?
(g) How is Data Routing done in GPRS? Explain.
(h) Difference between WAP & WML.
(i) Difference between meta pragma and access pragma.

UNIT-I

Q2   What is Multiplexing? Explain various types of Multiplexing technique used in Mobile Computing.   **(12.5)**

Q3   What is modulation? Explain various types of Modulation and Shifting Keying which is used in Modulation.   **(12.5)**

UNIT-II

Q4   (a) What is Aloha? Explain various types of Aloha with suitable diagram.   **(6)**
      (b) What is GSM? Explain GSM architecture with suitable diagram.   **(6.5)**

Q5   (a) What is Satellite Communication? Explain satellite orbits.   **(6)**
      (b) Explain ISMA, PRMA and FDMA.   **(6.5)**

UNIT-III

Q6   (a) Explain WML task and its types with suitable example.   **(6)**
      (b) Write a program to set image and hyperlink using WML script.   **(6.5)**

Q7   (a) What is Deck and Card? How to use card explain with suitable example?**(6.5)**
      (b) Create a page using WML Script: **(6)**

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UNIT-IV

Q8   How many types of operator used in WML Script? Explain all with suitable example.   **(12.5)**

Q9   (a) Write a program for addition of two number using function in WML Script.**(6.5)**
      (b) What are the challenges and pitfalls in making the internet mobile?   **(6)**

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