

# END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY 2017

<b>Paper Code: BCA-304</b>	<b>Subject: Mobile Computing</b>
<b>Time: 3 Hours</b>	<b>Maximum Marks: 75</b>
<b>Note: Attempt any five questions including Q no.1 which is compulsory. Select one question from each unit.</b>	

- Q1 Answer **any five** of the following questions briefly:- (2.5x5=12.5)
- (a) What is WAP push protocol?
  - (b) What do you mean by CDMA?
  - (c) Write the attributes of <template> tag in WML.
  - (d) What is unified messaging?
  - (e) Define the term Bluetooth.
  - (f) What is rendering?
  - (g) Write logical operators in WML script.

## UNIT-I

- Q2 (a) Describe the multiplexing techniques with suitable diagrams. (8)  
(b) What are the factors that enable the Convergence of Wired with Wireless media? Explain each of them. (4.5)
- Q3 (a) Discuss FSK, PSK, AFSK and APSK. (8)  
(b) With an example, explain the direct sequence spread spectrum. (4.5)

## UNIT-II

- Q4 (a) Explain the MAC mechanism used in WLAN. (4.5)  
(b) Explain the term and their functionalities of GSM architecture. (8)
- Q5 (a) Differentiate between FDMA, TDMA and CDMA. (6)  
(b) Discuss in detail location management in mobile networks. (6.5)

## UNIT-III

- Q6 (a) What are the various types of WML tasks? Discuss their attributes and usage with the help of a program. (7.5)  
(b) What are all services available for mobile internet? (5)
- Q7 (a) Write a program to add, subtract and multiply in WML. (6)  
(b) What are WML decks? Explain. (6.5)

## UNIT-IV

- Q8 (a) Create a function to check whether a number is prime or not using WML script. (5)  
(b) Explain all WML script operators with example. (7.5)
- Q9 (a) Explain the access pragma and meta pragma with the help of example. (6)  
(b) Explain the structure of Wireless Application Protocol. (6.5)

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