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(Please write your Exam. Roll No.)

Exam. Roll No. 0011122008

# END TERM EXAMINATION

## SIXTH SEMESTER [BCA], MAY - 2011

Paper Code : BCA - 304

Subject : Mobile Computing

Paper Id : 20304

Time : 3 Hours

Maximum Marks : 75

Note : Q. 1 is compulsory and attempt any One question from each unit.

Q. 1. Answer the following questions (Any 10) : (2.5×10)

- (a) Early Adopters
- (b) WAP
- (c) < pre > element
- (d) Get and Post methods
- (e) WAP push protocols
- (f) PIM
- (g) CDMA
- (h) Network specific libraries
- (i) Core attributes in WML
- (j) Type of operator in WML Script
- (k) "Deck of cards" document structure

### UNIT - I

- Q. 2. (a) Discuss the informational and transactional services and life enhancing applications for mobile internet. (6.5)
- (b) Describe different types of drivers that enable the wireless market to grow. (6)

OR

- Q. 3. (a) Differentiate between content providers, content developers and content aggregators. (6)

- (b) Explain E-care and enhanced telephony applications of mobile internet. (6.5)

## UNIT - II

- Q. 4. Explain a logical view of end-to-end system supporting WAP client devices by giving an example of a query of checking account balance. (12.5)

OR

- Q. 5. (a) Explain the use of WSP to establish a long lived session between a WAP client and WAP gateway. (5.5)
- (b) What are the advantages of making the WAP architecture layered? (4)
- (c) How many types of errors can be there in wireless communication? Explain them. (3)

## UNIT - III

- Q. 6. (a) What are the various types of WML tasks? Discuss their attributes and usage with the help of a program. (6.5)
- (b) Discuss the rules for automatic data type conversions in WML Script. (6)

OR

- Q. 7. (a) Write a WML Script function to calculate the factorial of a number and show its usage in a WML program. (5.5)
- (b) How can we trap intrinsic and user initiated events generated by WML elements. Discuss in detail with the help of an example. (7)

## UNIT - IV

- Q. 8. Discuss the guidelines for designing user interface in wireless devices. (12.5)

- Q. 9. (a) Explain the CC / PP Exchange protocol. (6)

- (b) Describe the WTA originating and terminating call model. (6.5)

