

# END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-2010

Paper Code: BCA 304

Subject: Mobile Computing

Paper ID: 20304

Time : 3 Hours

Maximum Marks : 75

*Note: Question 1 is compulsory and attempt one question from each unit.*

- Q1. Write short note on following: (3x5=15)
- (a) WAP Micro Browser
  - (b) CC/PP exchange protocol
  - (c) WAP proxies and gateway
  - (d) WSP session
  - (e) Cocoon

### Unit-I

- Q2. (a) What is mobile internet? (7.5)  
(b) What are the business opportunities with mobile internet? (7.5)
- Q3. (a) Describe Mobile Data. How is it managed? What is mobile data terminal? (7.5)  
(b) What are the various challenges faced in the path of making the internet mobile? (7.5)

### Unit-II

- Q4. (a) Draw and explain Basic Communication architecture of WAP and explain its components in detail. (7.5)  
(b) Arrange WTP, WTLS, WDP, WSP and WAE layers as per their functioning and explain functioning of each layer in brief. (7.5)
- Q5. (a) How, when and why the WAP was developed and by whom? Give brief introduction about history of WAP development. (7.5)  
(b) What are the various advantages of WAP in terms of bandwidth, latency, and connection over other protocols? Compare and discuss briefly. (7.5)

### Unit-III

- Q6. (a) What is WML? Differentiate between WML, HTML and XML. (7.5)  
(b) Explain WML Script String Library functions with atleast four examples. (7.5)
- Q7. (a) Discuss the structure of WML script. How to make function as private while writing WML scripts? (7.5)  
(b) What is the use of "Dialogs library functions" while writing WML scripts? Explain with examples. (7.5)

### Unit-IV

- Q8. (a) Draw WTA architecture and explain. (7.5)  
(b) What do you understand by the term "push messaging". (7.5)
- Q9. (a) What do you see the future of mobile internet lies? (7.5)  
(b) Explain wireless telephony applications with examples. (7.5)