

END TERM EXAMINATION

SIXTH SEMESTER [BCA] MAY-JUNE 2012

Paper Code: **BCA304**

Subject: **Mobile Computing**

Time : **3 Hours**

Maximum Marks : **75**

Note: Attempt any five questions including Q.no.1 which is compulsory.

- Q1 Answer the following:-
- (a) Explain the features of mobile internet. (2)
 - (b) Mention the role of datagram in WAP. (2)
 - (c) Write a WML script to illustrate anchor link. (2)
 - (d) Mention the role of timer and bookmarks in WML script. (2)
 - (e) Explain event handling in WTA environment. (2)
 - (f) Mention various types of transaction services in WAP transport layer. (2)
 - (g) Mention any three features of WML script. (3)
- Q2
- (a) Explain the features of mobile computing. (5)
 - (b) Mention any five applications of mobile computing. (5)
 - (c) Mention the architectural difference between mobile internet and internet. (5)
- Q3
- (a) Draw architecture of Wireless Application Protocol. Explain the functionality of each layer. (8)
 - (b) Explain the working of WAP Proxy and WAP gateway. Give an illustration. (7)
- Q4
- (a) Explain the following:- (9)
 - (i) WAP Device (ii) WAP Client (iii) WAP Application Server
 - (b) How does WAP support wireless network and fixed network? Mention the corresponding WAP interface components to support the above. (6)
- Q5
- (a) Explain in detail wireless session protocol. (6)
 - (b) Write a WAP script to implement the deck of cards to store the name and address ten persons. (6)
 - (c) Mention the role of bearer services in WAP Stack. (3)
- Q6
- (a) Explain the working of Wireless Telephony Applications (WTA). (4)
 - (b) Explain various Push Services in WAP environment. (6)
 - (c) Give an example to illustrate WTA using WML script. (5)
- Q7 Write short notes on **any three** of the following:- (5x3=15)
- (a) Issues and challenges in mobile internet.
 - (b) WTA Interface
 - (c) Deployment of end-to-end WAP Services
 - (d) Security in WAP
 - (e) Limitations of WAP