

(AUTONOMOUS)
MSc DEGREE EXAMINATION MAY 2019
(Second Semester)

Branch - COMPUTER SCIENCE

DISCIPLINE SPECIFIC ELECTIVE-I ; WAP & XML

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 1 = 10)

- 1 _____ network does not use any fixed infrastructure.
(i) Wired LAN (ii) Ad hoc
(iii) Wireless LAN (iv) PAN
- 2 The _____ does not check whether the channel is busy before transmitting.
(i) CDMA (ii) CSMA Scheme
(iii) MACA (iv) ALOHA Scheme
- 3 The _____ is the micro browser that renders the content for display.
(i) WTA user agent (ii) WAP stack
(iii) WAE user agent (iv) WAP proxy
- 4 The _____ is necessary for operator-provided WAP services using circuit switched data.
(i) WAP gateway (ii) Network Subsystem
(iii) remote access servers (iv) leased lines to the internet
- 5 The expansion for DTD is _____.
(i) Definition Type Declaration (ii) Document Type Declaration
(iii) Document Type Definition (iv) Device Type Declaration
- 6 The Dialogs library in WML Script does not contain _____ function.
(i) AlertQ (ii) Confirm()
(iii) ParseInt() (iv) PromptQ
- 7 The purpose of authentication protocols is to try to catch an activity called
(i) digital certificates (ii) spoofing
(iii) message digest (iv) encryption
- 8 The _____ class of bearers is quite unsuited for push services.
(i) CSD (ii) SMS
(iii) CDPD (iv) GRPS
- 9 The Kernel code is very difficult to _____ compared to application programs.
(i) detect (ii) compile
(iii) identify (iv) debug
- 10 _____ provides an RDBMS SQLite for data storage and sharing across various applications.
(i) Symbian (ii) iOS
(iii) Android (iv) Palm

Cant...

SECTION - B (25 Marks)
Answer ALL questions
ALL questions carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain the characteristics of Mobile Computing.
OR
b What is Reservation based schemes of MAC protocol? Explain.
- 12 a Explain about Wireless Transaction layer.
OR
b Write a note on WAP gateways.
- 13a Illustrate the use of do element in WML with an example.
OR
b Describe how to handle arrays with the string library in WML Script.
- 14 a Illustrate how secured communication takes place in the WAP environment.
OR
b Explain about Push Over the Air (OTA) protocol.
- 15 a Write about Palm Operating System.
OR
b Describe the structure of mobile commerce.

SECTION -C (40 Marks!)
Answer ALL questions
ALL questions carry EQUAL Marks (5 x 8 = 40)

- 16 a Elucidate in detail about fixed assignment schemes of MAC protocol.
OR
b Describe in detail about Random Assignment Schemes.
- 17 a Illustrate in detail about Wireless Application Environment.
OR
b Explain the functionality of a WAP gateway.
- 18 a Describe the tags that are defined for formatting text in WML.
OR
b Discuss about input and parameter passing in WML.
- 19 a Explain the issues of wireless security.
OR
b Describe about client addressing in push framework.
- 20 a Explain in detail about Symbian Operating System.
OR
b Discuss the applications of m-commerce.

Z-Z-Z

END