

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Mobile Application and Development

Subject Code: 2TE06MAD1

Branch: Diploma(CE)

Semester: 6

Date: 11/04/2017

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1

Attempt the following questions:

(14)

- a) Which of the following is not a mobile computing Network?
 - a. Wireline Network
 - b. Wireless Network
 - c. Ad-hoc Network
 - d. Private Network
- b) What is the full form of CDMA?
 - a. Code Division Multiple Authority
 - b. Code Division Message Access
 - c. Code Division Multiple Access
 - d. Code Divide Multiple Access
- c) The full form of SIM is _____
 - a. Subscriber Identity Module
 - b. Subscriber Identification Module
 - c. Simple Identify Mobile
 - d. Subscriber Identity Mobile
- d) In mobile computing architecture, Tier-2 is also known as
 - a. Application Tier
 - b. Presentation Tier
 - c. Data Tier
 - d. Model Tier
- e) What is the full form of GGSN?
 - a. Gateway GSM Station Node
 - b. Gateway GSM Supporting Node
 - c. Gateway GPRS Station Node
 - d. Gateway GPRS Supporting Node
- f) What is the latest version of Android OS?
 - a. Marshmallow
 - b. Lollipop
 - c. Gingerbread



- d. Froyo
- g) Which component runs in the background to perform long-running operations?
 - a. Activity
 - b. Broadcast receiver
 - c. Services
 - d. Content Providers
- h) What is the full form of TDMA?
 - a. Time Division Mode Access
 - b. Time Division Mobile Access
 - c. Total Division Multiple Access
 - d. Time Division Multiple Access
- i) The full form of SMS is _____
 - a. Short Mobile Service
 - b. Shell Message Service
 - c. Short Message Service
 - d. Start Message Service
- j) What is the full form of AVD?
 - a. Android Verify Device
 - b. Android Virtual Device
 - c. Access Virtual Device
 - d. Android Virtual Division
- k) What is the full form of IMSI?
 - a. International Mobile Subscriber ID
 - b. International Mobile SIM Identity
 - c. International Moving Subscriber Identity
 - d. International Mobile Subscriber Identity
- l) How to pass the data between activities in Android?
 - a. Intent
 - b. Content Provider
 - c. Broadcast receiver
 - d. None of the Above
- m) What is Manifest.xml in android?
 - a. It has information about layout in an application
 - b. It has the information about activities in an application
 - c. It has all the information about an application
 - d. None of the above
- n) What is an anonymous class in android?
 - a. Interface class
 - b. A class that does not have a name but have functionalities in it
 - c. Java class
 - d. Manifest file

Attempt any four questions from Q-2 to Q-8

Q-2

Attempt all questions

- a) Explain Mobile Computing Networks. (7)
- b) Explain Call routing in GSM. (7)

Q-3

Attempt all questions

- a) Explain GSM architecture. (7)
- b) Explain Mobile Computing Operating System. (7)



- Q-4** **Attempt all questions**
- a) Explain applications and limitations of GPRS. (7)
- b) Explain applications of 3G & 4G. (7)
- Q-5** **Attempt all questions**
- a) Explain Button UI Control with example. (7)
- b) Explain SMS architecture. (7)
- Q-6** **Attempt all questions**
- a) Explain Checkbox UI Control with example. (7)
- b) Explain GSM identifiers. (7)
- Q-7** **Attempt all questions**
- a) Write an android application to demonstrate Toggle button. (7)
- b) Write an android application to demonstrate EditText. (7)
- Q-8** **Attempt all questions**
- a) Write an android application to find minimum number from two numbers. (7)
- b) Write an android application to print "Hello World" on Screen. (7)

- Q-1** **Attempt the following questions:** (14)
- a) નીચેના માથી કયો મોબાઇલ કમ્યુટિંગ નેટવર્ક નો પ્રકાર નથી?
- a. Wireline Network b. Wireless Network
- c. Ad-hoc Network d. Private Network
- b) CDMA નું પૂરું નામ શું છે?
- a. Code Division Multiple Authority
- b. Code Division Message Access
- c. Code Division Multiple Access
- d. Code Divide Multiple Access
- c) SIM નું પૂરું નામ શું છે?
- a. Subscriber Identity Module
- b. Subscriber Identification Module
- c. Simple Identify Mobile
- d. Subscriber Identity Mobile
- d) મોબાઇલ કમ્યુટિંગ આર્કિટેક્ચર માં Tier-2 _____ તરીકે પણ ઓળખાય છે.
- a. Application Tier b. Presentation Tier
- c. Data Tier d. Model Tier
- e) GGSN નું પૂરું નામ શું છે?
- a. Gateway GSM Station Node
- b. Gateway GSM Supporting Node
- c. Gateway GPRS Station Node
- d. Gateway GPRS Supporting Node
- f) અન્ડ્રોઇડ ઓપરેટિંગ સિસ્ટમ નું હાલ નું વર્ઝન કયું છે?
- a. Marshmallow b. Lollipop
- c. Gingerbread d. Froyo



- g) નીચેના માથી કયો કોમ્પોનેન્ટ લાંબી પ્રક્રિયાઓ કરવા માટે બેકગ્રાઉન્ડ માં રન થાય છે?
- a. Activity
b. Broadcast receiver
c. Services
d. Content Providers
- h) TDMA નું પૂરું નામ શું છે?
- a. Time Division Mode Access
b. Time Division Mobile Access
c. Total Division Multiple Access
d. Time Division Multiple Access
- i) SMS નું પૂરું નામ શું છે?
- a. Short Mobile Service
b. Shell Message Service
c. Short Message Service
d. Start Message Service
- j) AVD નું પૂરું નામ શું છે?
- a. Android Verify Device
b. Android Virtual Device
c. Access Virtual Device
d. Android Virtual Division
- k) IMSI નું પૂરું નામ શું છે?
- e. International Mobile Subscriber ID
f. International Mobile SIM Identity
g. International Moving Subscriber Identity
h. International Mobile Subscriber Identity
- l) આક્ટિવિટીઓ વચ્ચે અન્ડ્રોઇડ માં ડેટા કઈ રીતે પાસ થાય છે?
- e. Intent
f. Content Provider
g. Broadcast receiver
h. None of the Above
- m) અન્ડ્રોઇડ માં Manifest.xml શું છે?
- e. It has information about layout in an application
f. It has the information about activities in an application
g. It has all the information about an application
h. None of the above
- n) અન્ડ્રોઇડમાં અનોનીમસ ક્લાસ શું છે?
- e. Interface class
f. A class that does not have a name but have functionalities in it
g. Java class
h. Manifest file

Attempt any four questions from Q-2 to Q-8

Q-2

Attempt all questions

- a) મોબાઇલ કમ્પ્યુટિંગ નેટવર્ક સમજાવો.

(7)



- b) GSM ઓછાં રાઉટિંગ સમજાવો. (7)
- Q-3 Attempt all questions**
- a) GSM આર્કિટેક્ચર સમજાવો (7)
- b) મોબાઇલ કમ્યૂટિંગ ઓપરેટિંગ સિસ્ટમ સમજાવો. (7)
- Q-4 Attempt all questions**
- a) GPRS ઉપયોગો અને ગેરફાયદા સમજાવો. (7)
- b) 3G & 4G ના ઉપયોગો સમજાવો. (7)
- Q-5 Attempt all questions**
- a) Button કંટ્રોલ ઉદાહરણ સાથે સમજાવો (7)
- b) SMS આર્કિટેક્ચર સમજાવો. (7)
- Q-6 Attempt all questions**
- a) Checkbox કંટ્રોલ ઉદાહરણ સાથે સમજાવો. (7)
- b) GSM આઇડેન્ટિફાયર સમજાવો. (7)
- Q-7 Attempt all questions**
- a) Toggle Button દર્શાવતો પ્રોગ્રામ લખો. (7)
- b) EditText દર્શાવતો અન્ડ્રોઇડ નો પ્રોગ્રામ લખો. (7)
- Q-8 Attempt all questions**
- a) બે નંબર માથી લઘુત્તમ નંબર શોધવા માટેની અન્ડ્રોઇડ એપ્લિકેશન લખો. (7)
- b) મોબાઇલ સ્ક્રીન ઉપર “Hello World” લખાણ આપવા માટેની એપ્લિકેશન લખો. (7)

