AAG-003-003601   Seat No. _____

B. C. A. (Sem. VI) (CBCS) Examination

March / April - 2016

CS-31 : Mobile Programming Using Java ME

(Old Course)

Faculty Code : 003

Subject Code : 003601

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Attempt the following MCQ: **20**

(1)   Full form of PSTN is.....

(A)   Public Service Telephone Network

(B)   Public Switched Task Network

(C)   Public Switching Telephone Network

(D)   None of these

(2)   Google acquired which OS.....

(A)   android   (B)   BlackBerry

(C)   iPhone   (D)   BREW

(3)   KVM is mainly developed for.....

(A)   Mobile Device   (B)   CLDC Mobile Device

(C)   CDC mobile Device   (D)   None of these

(4)   Which name is odd?

(A)   Laptop   (B)   Satellite phone

(C)   PDA   (D)   Smart phone

(5)   Which of the following is not a method of Form.....

(A)   insert( )   (B)   append( )

(C)   delete( )   (D)   setCurrent( )

(6)   Which of the following is not a type of Command?

(A)   SCREEN   (B)   EXIT

(C)   BACK   (D)   START

(7)   Which of the following is not AlertType?

(A)   ALARM   (B)   WAKEUP

(C)   INFO   (D)   ERROR

(8) Which of the following is not a method of User interaction?

(A) KEY   (B) MOUSE

(C) GAME_ACTIONS   (D) None of these

(9) RMS stands for.....

(A) Record Multiple Set

(B) Record Management System

(C) Record Management Set

(D) None of these

(10) RE stands for RecordEnumeration.....

(A) true   (B) false

(C) partially true   (D) partially false

(11) Which of the following is not a method of RecordEnumeration?

(A) rebuild( )   (B) total( )

(C) rebuild( )   (D) reset( )

(12) Which of the following is use to sort records?

(A) RecordComparator   (B) RecordFilter

(C) RecordSearching   (D) RecordSorting

(13) matches( ) method returns _____ value.

(A) int   (B) float

(C) boolean   (D) none of these

(14) GCF stands for.....

(A) Generic Communication Framework

(B) General Connection Framework

(C) Generic Connection Framework

(D) None of Above

(15) _____ manages a network connection based on output stream.

(A) InputConnection   (B) OutputConnection

(C) DatagramConnection (D) StreamConnection

(16) Read method of inputStream( ) returns.....

(A) char   (B) byte

(C) string   (D) int

(17) JABWT stands for........
    (A) Java APIs for Bluetooth wireless Technology
    (B) Java Applications for Bundle wireless Technology
    (C) J2ME APIs for Bluetooth wireless Technology
    (D) J2ME Application for Bluetooth wireless Technology

(18) MMAPI stands for.....
    (A) Multimedia API
    (B) Mobile Multimedia API
    (C) Mobile Media API
    (D) Mobile Micro API

(19) createPlayer( ) is used to.....
    (A) start a player
    (B) create a player
    (C) create & start player
    (D) None of these

(20) NFC stands for.....
    (A) Newest Field Commerce
    (B) Near Field Communication
    (C) Near Fast Communication
    (D) Near Far Communication

2   (a) Attempt the following : (Any **three**)   6
        (1) Definition: Digital and Analog networks.
        (2) Explain repaint( ) method with proper example.
        (3) Write a note on life cycle of a MIDlet.
        (4) What is GCF?
        (5) Explain TextBox in detail
        (6) Write a note on Stream

    (b) Attempt the following : (any **three**)   9
        (1) Define and Explain J2ME profiles.
        (2) What is configuration? Explain CDC and CLDC.
        (3) Explain DateField class with example.
        (4) Write a note on Command class.
        (5) Briefly Explain Alert class.
        (6) Explain Form class.

(c) Attempt the following : (any **two**) 10
(1) Write a note on MMAPI.
(2) Describe WMA in detail.
(3) Explain use of Bluetooth API.
(4) Explain Exception handling concept with example.
(5) How to do reading and writing of mixed data type record in RMS ?

3 (a) Attempt the following : (any **three**) 6
(1) Write a note on PDA.
(2) Explain List class.
(3) Write a note on smart card.
(4) What is key codes?
(5) Explain Digital Wireless transmission.
(6) Explain J2ME architecture.

(b) Attempt the following : (any **three**) 9
(1) Explain Animation and Clipping.
(2) Explain TextField class in detail.
(3) Write a note on low level display.
(4) Explain how FILE protocol can be used to communicate with local file system.
(5) What is user interface? Differentiate high level and low level interface.
(6) Write a note on set top box.

(c) Attempt the following : (any **two**) 10
(1) Explain Manager and VideoControl.
(2) Write a short note on M-Commerce.
(3) Explain different types of Graphics class related methods.
(4) Write a note on RecordStore and its limitations compared to a RDBMS.
(5) How will you perform searching operation in MIDlet? Explain with example.