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

1 Answer the following :   **20**

   (1) RMS stands for _____ .

   (2) RE stands for Record Enumeration. (True/False)

   (3) Total is not a method of record Enumeration. (True/False)

   (4) _____ is used to sort records.

   (5) Matches( ) method returns a _____ value.

   (6) CDPD protocol is also known as _____ .

   (7) setCurrent is not a method of form. (True/False)

   (8) INFO is not AlertType. (True/False)

   (9) Gauge can be either interactive or non-interactive. (True/False)

  (10) Mouse in not a method of user interaction. (True/False)

  (11) GCF stands for _____ .

  (12) HttpConnection class is used to create a/an _____ Connection.

  (13) Read method of inputStream( ) returns _____ .

  (14) MMAPI stands for _____ .

  (15) WMA is used to send SMS. (True/False)

  (16) Full form of PSTN is _____ .

  (17) What is GPS ?

  (18) iOS is _____

  (19) Google acquired which OS ?

  (20) KVM stands for _____ .

2　(a)　Attempt any **three** :　　　　　　　　　　　　　　6

    (1)　List out mobile operating systems.

    (2)　What is command class ?

    (3)　What is Screen Class ?

    (4)　What is FILE protocol ?

    (5)　What is Smart Class ?

    (6)　What is GPS ?

  (b)　Attempt any **three** :　　　　　　　　　　　　　　9

    (1)　Write a note on IMEI.

    (2)　Explain sun java different utilities and directories.

    (3)　Explain Graphics class and its methods.

    (4)　What is small computing device ?

    (5)　Explain J2ME architecture with diagram.

    (6)　What is a PDA ? Explain its various features.

  (c)　Attempt any **two** :　　　　　　　　　　　　　　10

    (1)　Explain the Screen class with its methods.

    (2)　What is Canvas ? Explain the User Interactions in Canvas Class.

    (3)　What is a clipping region ? How can it be created ?

    (4)　What are MIDlet states ? Explain the state transition using diagram.

    (5)　Write a note on List class with examples.

3　(a)　Attempt any **three** :　　　　　　　　　　　　　　6

    (1)　What is Canvas ?

    (2)　Explain DataField.

    (3)　What is Set Top Box ?

    (4)　Explain TextField.

    (5)　What is Mobile media Player ?

    (6)　What is Ticker ?

(b) Attempt any **three** :   9

    (1) What is GCF ? Write a note on Streams.

    (2) Write a Midlet to check for key events and display which key is selected.

    (3) Create a Non-Interactive Gauge to implement it like a progress bar.

    (4) What is Record Management System ? Explain how a recordstore can listen to the record changes in a recordstore ?

    (5) What technique is used to sort records in RMS ? Explain Record Comparator with necessary methods and examples.

    (6) Explain enumerating records in RMS. Explain the methods of Record Enumeration interface.

(c) Attempt any **two** :   10

    (1) What is M-Commerce ? Explain the term M-Payment and its implementation in Java ME.

    (2) Explain the Bluetooth/OBEX API.

    (3) Write a note on MMAPI and WMA API.

    (4) Write a Midlet to add records to the student database with fields stud_id, stud_name for the studDetails form. Create a Search student form to search student according to the stud name entered by the user.

    (5) How can one communicate across the network ? Explain the use of HTTP Connection. Write a midlet to parse a web page using HTTP Connection.

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