



NAM-003-003601

Seat No. _____

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

March / April - 2017

**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 Give the answer of the following : **20**

- (1) A Gauge can be either interactive or non-interactive. (true/false)
- (2) KVM stands for....
- (3) Full form of J2ME.
- (4) KVM mainly developed for...
- (5) Full form of MIDP.....
- (6) Full form of CLDC.
- (7) setCurrent is not a method os form. (true/false)
- (8) RMS stands for _____.
- (9) RE Stands for RecordEnumeration? (true/false)
- (10) RecordComparator is used to sort records? (true/false)
- (11) Match() method returns a _____ value.
- (12) GCF stands for _____.
- (13) HttpConnection class is used to create a/an _____ connection.
- (14) read method of inputDstream() returns _____.
- (15) File protocol is used to access files from the local resources only. (true/false)
- (16) Write method of OutputStream class has _____ different signatures.
- (17) MMAPi stands for _____
- (18) WMA is used to send SMS.... (true/false)
- (19) createPlayer() is used to
- (20) Realize method moves player to.....

- 2 (a) Write the answer of the following questions : (any **three**) **6**
- (1) What is Java ME SDK?
 - (2) What are Smart Cards?
 - (3) Define JAD and JAR files.
 - (4) Define CDC.
 - (5) List out the Low Level UI classes.
 - (6) What is WMA?
- (b) Write the answer of the following questions : (any **three**) **9**
- (1) Draw the Java ME Architecture.
 - (2) List the types of profiles.
 - (3) Explain the append() method of Form class.
 - (4) Define the term PDA.
 - (5) Explain KVM.
 - (6) Give the difference between TextField and TextBox.
- (c) Write the answer of the following questions. (Any two) **10**
- (1) Explain High Level User Interface in Java ME. Draw High-Level UI Hierarchy.
 - (2) Explain List Class with an example.
 - (3) Explain the User Interactions in high-level and low-level UI.
 - (4) Define the access mechanism for records in a recordstore. Explain the Read and Write mechanism in RecordStore with an example.
 - (5) Explain enumerate Records() method in detail with example.
- 3 (a) Write the answer of the following questions : (any **three**) **6**
- (1) How Bluetooth is implemented using Java ME?
 - (2) Types of images.
 - (3) Define: Midlet and Midlet Suite.
 - (4) Define Java ME.
 - (5) What are small computing devices?
 - (6) What is a Mobile O.S.?

(b) Write the answer of the following questions : (any **three**) **9**

- (1) Differentiate List vs. Choicegroup.
- (2) Searching technique in RMS.
- (3) Explain the scope of a recordstore.
- (4) Define the Preverification Process.
- (5) List the Mobile Generations and their features.
- (6) Give reasons for reducing the Java language and JVM in Java ME,

(c) Write the answer of the following questions : (any **two**) **10**

- (1) Explain the features of low-level UI.
- (2) Explain MID let IO. Draw GCF. Write a midlet to parse a web page.
- (3) Explain the term "clipping region" using the methods.
- (4) Give an overview of the OBEX API. Illustrate Bluetooth using a midlet.
- (5) What is M-Commerce? How M-Payment is supported by Java ME?
