



NT-M201175

Seat No. _____

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

February – 2017

CS - 31 : Mobile Programming using Java ME

Time : 3 Hours]

[Total Marks : 100

- 1 Attempt any two : 20**
- (1) Write short note : J2ME Architecture.
 - (2) Explain cellular telephone network and CDPD.
 - (3) Write short note on : Smart Cards and Set Top Box.
- 2 Explain following in detail : (any four) 20**
- (1) Give difference between Analog and Digital Network.
 - (2) Explain configurations used with J2ME.
 - (3) Explain any two displayable classes.
 - (4) Explain TextField class and its any two methods in detail.
 - (5) Explain DataField class with example.
- 3 Explain following in detail : (any four) 20**
- (1) Write a short note on low level display.
 - (2) Write a note on KeyCodes.
 - (3) What is MIDlet ? Write advantages of it.
 - (4) Give difference between high level and low level user interface.
 - (5) Explain ImageItem class with example.
- 4 Explain following in detail : (any four) 20**
- (1) Explain animation.
 - (2) Explain mutable image with example.
 - (3) Explain methods of graphics context.
 - (4) Explain methods of RecordStore.
 - (5) Explain clipping region with suitable example.

5 Attempt any **two** :

20

- (1) Explain `InputStream` and `OutputStream` class with example.
 - (2) Explain `InputConnection` and `OutputConnection` with example.
 - (3) Explain `Connector` class in detail.
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