



RI-1754

M. Sc. (IT) (Sem. IX) Examination

March / April - 2017

Smart Device Computing Using Android

Time : 3 Hours]

[Total Marks : 70

Instructions : (1)

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| નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book. | | Seat No. : | |
| Name of the Examination : | | <input type="text"/> | |
| M. SC. (IT) (SEM. 9) | | <input type="text"/> | |
| Name of the Subject : | | <input type="text"/> | |
| SMART DEVICE COMPUTING USING ANDROID | | <input type="text"/> | |
| Subject Code No. : <input type="text"/> 1 <input type="text"/> 7 <input type="text"/> 5 <input type="text"/> 4 | | Section No. (1, 2,.....) : <input type="text"/> Nil | |
| | | Student's Signature | |

(2) Draw the figures and give examples whenever necessary.

1 Answer the following questions in short : 16

1. Explain about activity life cycle.
2. Explain about importance of .dex file and R.java file.
3. Explain any two XML based layout with unique properties.
4. Explain about Android architecture.

2 Answer the following questions : (any three) 18

1. What is OHA ? Explain android architecture in detail.
2. What is Intent ? What are different types of it ? Explain how it will be used in communication between two activities.
3. List out XML based layouts. Explain any two layouts with its unique properties and attributes.
4. What are context menu and popup menu ? Explain implementation of each one with example.

3 Answer the following questions : (any three) **18**

- (1) What is SQLite ? Explain various database operations on SQLite in Android.
- (2) What is dialog ? Explain the implementation of custom dialog with example.
- (3) Write steps to publish android application.
- (4) What is Adapter ? What are different types of it ? Write program to implement List View using Array Adapter.

4 Answer the following questions : (any three) **18**

- (1) Explain in detail about content provider.
 - (2) What is purpose of location manager class ? Write steps to implement map view.
 - (3) How to send SMS from your application ? Explain with example.
 - (4) Describe shared preferences storage with example.
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