**2504N052**          Candidate's Seat No :_____

M.Sc. I.T. (Sem.-2) (Mobile Application) Examination
MSCMA 407
Basic Android Programming

Time : 2-30 Hours]          April 2019          [Max. Marks : 70

Instructions:
1. Figures to the right indicates full marks
2. Neat diagrams must be drawn wherever necessary.
3. Each question carries 7 marks.

**Q.1)**

A)    Explain features of android in detail.          (7)

OR

A)    What is Activity? Explain activity lifecycle.

B)    Explain Content provider and content resolver.          (7)

OR

B)    Explain Android Architecture.

**Q.2)**

A) What is ActionBar? Give brief note on it.          (7)

OR

A) Explain Event Listener and Event Handler in android.

B) What is localization? Explain strategies for localization in android.          (7)

OR

B) What is Fragment? Define Guideline for developing App for tablet.

**Q.3)**

A) What is built in content provider? Explain Call log and Calendar content provider.          (7)

OR

A) List out storage options? And explain Shared preferences.
B) Explain different classes used in setting up database.          (7)

OR

B) Write note on CRUD. Give a note on <provider> element.

P. To

**Q.4)**

A) What is media player? Explain life cycle of media player. (7)

OR

A) Explain Camera API.

B) Explain different classes used for creating a map based application. (7)

OR

B) Explain Geocoder class and markers.

**Q.5) Answer for Following.** (14)

1) What is FragmentActivity?
2) What are the graphics APIs?
3) Define layer between hardware and software.
4) AAPT stands for _____.
5) Define Service.
6) List out types of intent message.
7) Define ViewGroup.
8) What is ActionBar?
9) Define ContextMenu.
10) What is DialogInterface?
11) List out any four types of resources.
12) List any four advantage of SQLite.
13) List out data types for SQLite.
14) GPS stands for _____.

[ALL THE BEST]

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M.Sc. I.T. (Sem.-2) (Mobile Application) Examination
409 MSCMA
Cross Plateform Application Development
April 2019

Time : 2-30 Hours]                                                    [Max. Marks : 70

Instructions:
1. Figures to the right indicates full marks
2. Neat diagrams must be drawn wherever necessary.
3. Each question carries 7 marks.

**Q.1)**

A)Explain Web Application. Write down advantages and disadvantages of it.          (7)

OR

A) Write down difference between Native Application and Hybrid Application.

B) Describe Multi Platform Deployment.          (7)

OR

B)DescribeData and Persistence with it's figure.

**Q.2)**

A) Detail view of pages and layout in Views and Control.          (7)

OR

A)Describe any three of  Understanding differences Android, ios & Windows Implementation.
B)Describe Cross platform Development tools.          (7)

OR

B) Explain Architecture of cordova.

**Q.3)**

A)  Explain MoSync and Xamarin Cross platform development tools.          (7)

OR

A)  Detail view of Mobile Jquery and Rho Mobile Cross platform development tools.

B)  Explain Accelerometer api with its example.          (7)

OR

B) Explain BatteryStatus api with its example.

**Q.4)**

A) Write down the code for dialogs api with its types.          (7)

OR

A) Write down the code for calculator application.

B) What is Snecha touch.Advantages and disadvantages of Snecha Touch.          (7)

OR

B) Detail view of Snecha touch MVC.

Q.5) Answer for Following. (14)

1) What is Hybrid Application?
2) What is cell?
3) Write down the definition of Cross platform.
4) What is Application?
5) Write down the command for uninstall cordova.
6) Write down the command for add platform in our project.
7) Explain onDeviceReady() method.
8) What is close system?
9) Which plugin we are using for device?
10) Write down the command for uninstall cordova.
11) Which software we are require for cordova?
12) Which plugin we are using for flashlite?
13) What is Security?
14) What is phonegap?