

MANIPAL ACADEMY OF HIGHER EDUCATION
School of Information Sciences (SOIS)

SECOND SEMESTER MASTER OF ENGINEERING – ME (BIG DATA & DATA
 ANALYTICS) DEGREE EXAMINATION – JUNE 2018

SUBJECT: BDA 615.2 – MOBILE WEB APPLICATION DEVELOPMENT

Thursday, June 28, 2018

(For VCU Students Only)

Time: 10.00 – 13.00 Hrs.

Max. Marks: 100

Answer ALL the questions.

1. (a) What is DVM? Explain it. How it is differing from JVM?
 (b) Write a short note on 'Intent'. (6+4 =10 marks)
2. Explain Events and event management in android with suitable examples. (10marks)
3. What are adapters? Mention any 5 types of adapter with illustrations. (10marks)
4. (a) What is a view in android? What is the Difference between View and View Group?
 (b) What is ADB? Why it's require? (6+4 =10 marks)
5. What is Layout? List out different Layouts supported by Android system and explain with its various attributes. (10marks)
6. (a) What are fragment in android? Explain its lifecycle.
 (b) Explain Content Providers, Content Values, Cursors. (6 +4= 10 marks)
7. (a) Which file is considered as managing file in android application? Explain each node of that file in detail.
 (b) Explain the following things in the context of android devices: Screen size, Screen density, Orientation, Resolution, Density-independent pixel (dp). (6+4=10 marks)
8. (a) What is virtual device and SDK manager? Explain.
 (b) What are the main components/building blocks of Android? (5+5=10 marks)
9. (a) What is requirement of "Library" layer in Android architecture?
 (b) Write a short note on "Android Manifest". (6+4=10 marks)
10. (a) How many permissions Android application has by default? What should be added to gain access to the built in camera and location access
 (b). What is Emulator? Explain in brief. (7+3=10 marks)
