

# CBGS SCHEME

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16MCA53

**Fifth Semester MCA Degree Examination, Dec.2018/Jan.2019**

## **Mobile Applications**

Time: 3 hrs.

Max. Marks: 80

**Note: Answer FIVE full questions, choosing ONE full question from each module.**

### Module-1

- 1 a. What is mobile applications? Explain the importance of mobile application in today's scenario. (08 Marks)
- b. What are the development process of mobile application in the business world. (08 Marks)

**OR**

- 2 a. What do you understand by mobile information design and mobile platform? Explain it. (08 Marks)
- b. Explain the effective use of screen real estate and features of mobile applications. (08 Marks)

### Module-2

- 3 a. Explain the fundamentals of developing an android application. (08 Marks)
- b. Explain how to build the Derby App in android. (08 Marks)

**OR**

- 4 a. What are the components of android applications? Explain with an example. (08 Marks)
- b. Discuss the components involved in android for activities and fragments. (08 Marks)

### Module-3

- 5 a. Explain in detail how to design user interfaces using views. (08 Marks)
- b. Write in details, How to display Google maps in your own android applications. (08 Marks)

**OR**

- 6 a. What is the prospective of deploying APK file in android applications? (08 Marks)
- b. Differentiate the basics of android UI design and location based services. (08 Marks)

### Module-4

- 7 a. Write the basic concept of android messaging services for sending SMS and Email. (08 Marks)
- b. What is the process for binding activities to services in android applications? (08 Marks)

**OR**

- 8 a. What is the techniques involved to create own services and binding web services in android? (08 Marks)
- b. Explain the concepts of networking in the terms of communicating between service and activity. (08 Marks)

**Module-5**

- 9 a. How to build Derby App in window phone 7? Explain. (08 Marks)  
b. Explain the Anatomy of window phone 7 App. (08 Marks)

OR

- 10 Write the short notes on following with appropriate example:  
a. Components of XCODE  
b. Tools required for window phone 7  
c. Getting useful iOS things  
d. Derby App in iOS.

(16 Marks)

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