

Hall Ticket No:

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Course Code: 14IMCA31T12

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**

(UGC-AUTONOMOUS)

Direct 2<sup>nd</sup> Year II Year I Semester (R14) Supplementary End Semester Examinations – June 2016

(Regulations: R14)

**MOBILE APPLICATION DEVELOPMENT USING ANDROID**

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.  
In Q.no 1 to 5 answer either I or II only

- Q.1(A) What are various OOPs concepts? List and explain various types of Inheritance? 12M
- OR**
- Q.1(B) Explain the process of displaying Hello World message in Android? 12M
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- Q.2(A) Discuss about Threading in Android? 12M
- OR**
- Q.2(B) Write a detailed overview about Yamba project? 12M
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- Q.3(A) How the shared preferences save and retrieve the data? 12M
- OR**
- Q.3(B) Write the procedure for dynamically adding fragments to an activity in Android? 12M
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- Q.4(A) Explain the process of binding values from the cursor to views? 12M
- OR**
- Q.4(B) Discuss in detail about Alarms service in Android? 12M
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- Q.5(A) Explain Motion, Environmental and Position sensors in Android? 12M
- OR**
- Q.5(B) What is Live Wallpaper? How it will be created in Android? 12M

**\*\*\* END\*\*\***



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(UGC-AUTONOMOUS)

Direct 2<sup>nd</sup> Year II Year I Semester Supplementary End Semester Examinations – June 2016

(Regulations: R14)

### OBJECT ORIENTED ANALYSIS & DESIGN

Time: 3Hrs

Max Marks: 60

Attempt all the questions. All parts of the question must be answered in one place only.  
In Q.no 1 to 5 answer either I or II only

- Q.1(A) Define Object and write short notes on object state and properties, object behavior and methods and objects respond to messages. 12M
- OR**
- Q.1(B) i. Define prototype and explain different categories of prototypes. 12M  
ii. Briefly explain Object-Oriented Design.
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- Q.2(A) i. Explain about Design patterns in detail. 12M  
ii. Differentiate between design pattern and frame work.
- OR**
- Q.2(B) Explain the relationships that are possible among the classes in the UML representation. Give an example. 12M
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- Q.3(A) i. Briefly explain components of Usecase model. 12M  
ii. Draw the Usecase diagram for bank ATM transaction.
- OR**
- Q.3(B) Explain identifying objects, relationships, super class, sub class, object responsibilities. 12M
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- Q.4(A) With suitable example explain the design of Activity and State chart diagram. 12M
- OR**
- Q.4(B) i. Define an event and signal. What are the four kinds of events which can be modeled by UML? Explain. 12M  
ii. Write short notes on UML package diagram.
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- Q.5(A) Explain types of testing strategies in detail? 12M
- OR**
- Q.5(B) Discuss the UML case study for health care system. 12M

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