

**CDOE**  
**MASTER OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)**  
**M.C.A. Sem - V : WINTER :- 2021**  
**SUBJECT: ELECTIVE-IV : MOBILE COMPUTING TECHNOLOGIES - HYBRID**  
**APPLICATION DEVELOPMENT**

**Day : Monday**  
**Date 28-02-2022**

**W-21107-2021**

**Time : 10:00 AM-01:00 PM**  
**Max. Marks: 70**

**N. B. :**

- 1) Attempt **ANY FOUR** questions from Section **I** and attempt **ANY TWO** questions from Section – **II**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION – I**

- Q. 1** Explain React Native routine with its advantages and disadvantages. **(10)**
- Q. 2** What is API's? Explain the importance of API's in mobile app development. **(10)**
- Q. 3** Explain the terms: **(10)**  
a) Native apps    b) Web apps
- Q. 4** Discuss in brief android application environment with neat labelled diagram. **(10)**
- Q. 5** What are the types of mobile apps? Explain any two types with examples. **(10)**

**SECTION – II**

- Q. 6** Write short notes on **ANY THREE** of the following: **(15)**  
a) Native Modules  
b) JDK  
c) AMP
- Q. 7** Explain the following views classes from Android in detail **(15)**  
a) List view    b) Button    c) Date picker  
And write a program using Android to display the name of any five colors using list view.
- Q. 8** Write steps to design, develop and install android application for student admission system. **(15)**

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