

Total No. of Questions : 5]

SEAT No. :

**P5788**

[Total No. of Pages : 2

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**M.C.A.-II**

**IT-31 : MOBILE APPLICATION DEVELOPMENT**

**(2020 Pattern) (Semester-III)**

*Time : 2½Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *All questions are compulsory.*
- 2) *Draw neat labelled diagram wherever necessary.*

**Q1) a)** Differentiate between Android and IOS architecture. **[10]**

**OR**

**b)** Explain android architecture in detail with the help of diagram. **[10]**

**Q2) a)** Create an android application to demonstrate Implicit Intent and Explicit Intent? **[10]**

**OR**

**b)** Create an android application to display list of items using list view. display message, when each list Item is selected. **[10]**

**Q3) a)** What is a Webview How to display any URL in a Webview. **[5]**

**b)** Write android code to turn ON/OFF Bluetooth. **[5]**

**OR**

**c)** Explain web service with suitable example. **[5]**

**d)** Explain different types of menus. Explain any one menu type with suitable example. **[5]**

**Q4) a)** Write Sqlite code to register for conference on different topics like [Artificial Intelligence, Data science, cloud computing, machine learning] Display the list of registered candidates. (Candidate could register for any one topic) **[10]**

**OR**

**b)** Write firebase code for taking appointment in hospital. Consider suitable details of patient. After successful registration patient will get appointment id. **[10]**

**P.T.O.**

- Q5)** a) Create react native app to display alert dialog box for SMS with button.[5]  
b) Write a flutter application, to display a 'Hello world' message. [5]

OR

- c) Write short notes on (any 2) [10]  
i) Flutter architecture.  
ii) Array adapter  
iii) React native.

