

Total No. of Questions : 5]

SEAT No. :

P5788

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[6120]-111

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.

