

K-1006

Total Page No. : 3]

[Roll No.]

MCS-604

**MCA IVth Semester
Examination Dec., 2023**

**INTRODUCTION TO MOBILE
ARCHITECTURE**

Time : 2 Hours]

[Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given there in. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A

(Long Answer Type Questions) 2×19=38

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

K-1006

(1)

P.T.O.

1. Differentiate between Web based application and Mobile based Application. What are the consideration and Challenges for Mobile application in the current scenario ?
2. Identify four threats faced by organizations while using Information Technology.
3. Explain the Android application Architecture.
4. Explain the various mobile operating system. What is the difference between discontinued mobile operating systems and Existing mobile operating system?
5. What is Phone gap ? Develop an Android Application in Phone Gap.

Section–B

(Short Answer Type Questions) 4×8=32

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Write a short note on SmartMobile-AD.
2. Differentiate between X86 and ARM processors.
3. Differentiate between Active Speaker Vs. Passive Speakers.

4. How Does a Gyroscope Sensor Work in Your Smartphone ?
5. List down some of the applications of location based services and its benefits.
6. Discuss the advantages and disadvantages of ‘Cross Platform Mobile Application Development Tools’.
7. Draw and explain about the architecture of a hybrid mobile application.
8. What are the components of a mobile application? Explain each or the components and its functionality.
