

A-0892

Total Pages : 4

Roll No. -----

MCS-604

Introduction to Mobile Architecture

(MCA)

4th Semester Examination 2024(Dec.)

Time: 2:00 hrs

Max. Marks: 70

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

P.T.O.

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Section-A (Long-Answer-Type Questions)

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.

[2x19=38]

- Q.1. Differentiate between hybrid mobile applications and mobile web applications in terms of architecture.
- Q.2. What are the types of mobile operating systems? Discuss the differences between existing and discontinued mobile operating systems.
- Q.3. What do you understand by Windows Mobile? Discuss the evolution of Windows Phone and the features of Windows 10 Mobile.
- Q.4. Compare the hybrid and web-based approaches to cross-platform mobile app development.
- Q.5. What do you understand by the memory phones. Explain the differences between volatile and non-volatile memory in mobile phones.

Section-B (Short-Answer-Type Questions)

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.

[4x8=32]

- Q.1. Explain the evolution of mobile-based applications and trends in the mobility space.
- Q.2. What are the key considerations for creating mobile applications?
- Q.3. Discuss the role of user interface design in mobile apps and its impact on user experience.
- Q.4. Explain the importance of security standards in mobile app development.

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Q.5. How can Siri enhance the functionality of iOS devices?

Provide examples.

Q.6. Compare ARM and x86 processors in terms of architecture and usage in mobile devices.

Q.7. Explain the concept of virtual reality and its integration into Android.

Q.8. Describe the role and types of flash memory in mobile devices.
