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MCS–231

**MASTER OF COMPUTER
APPLICATIONS (MCA-NEW)**

Term-End Examination

June, 2024

MCS-231 : MOBILE COMPUTING

Time : 3 Hours

Maximum Marks : 100

***Note :** Question No. 1 is compulsory and carries 40 marks. Attempt any **three** questions from the rest.*

1. (a) What is Wavelength Division Multiplexing ?
What are its advantages, disadvantages and applications ? 10
- (b) Explain WLAN Wi-Fi IEEE 802.11x networks. 10
- (c) What are Actuators ? Give some examples of Actuators found in Robots. 10

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- (d) Explain the architecture patterns for mobile device data store methods. 10
2. (a) Explain the architecture of a content management application. 10
- (b) What do you mean by XML parsing ? Explain with an example. 10
3. (a) Explain the architecture of J2EE. 10
- (b) Write a short note on SWIFT. 10
4. (a) Explain the architecture of iOS. 10
- (b) Explain various phases of development process of a mobile application. 10
5. (a) What is GPRS ? Explain its features. 10
- (b) What are adhoc networks ? Explain their advantages. 10