MCS–231

MASTER OF COMPUTER APPLICATIONS (MCA-NEW)

Term-End Examination
December, 2023
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 Time Division Multiplexing (TDM) ? What are its advantages, disadvantages and applications ? 10

   (b) What is a Cellular Network ? Under what conditions frequency reuse is possible by different cells in the network ? 10

   (c) What are Smart Sensors ? What are the instances where mobile devices interact with their surroundings with the help of sensors ? 10

   (d) Write a short note on Mobile Device Database Management. 10

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2. (a) List various steps in the development of a Mobile App. What are the various components of an Enterprise Mobile Application ? 10

   (b) Write a short note on XML. 10

3. (a) What is J2ME ? Explain main components of J2ME. 10

   (b) Write a short note on Android. 10

4. (a) Explain the features of integrated development platforms that are used for Mobile App development. 10

   (b) Explain any *five* features of Mobile Communications. 10

5. (a) Explain the design considerations for Mobile Computing. 10

   (b) Write a short note on Smart Appliances. 10