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C16-CM-IT-504**6628**

BOARD DIPLOMA EXAMINATION, (C-16)
OCTOBER/NOVEMBER—2023
DCME - FIFTH SEMESTER EXAMINATION
MOBILE APPLICATION DEVELOPMENT

*Time : 3 Hours]**[Total Marks : 80***PART—A****3×10=30**

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define mobile application development and list the classifications of it.
2. List any three peripherals used in smart phones.
3. Write any two advantages and any one disadvantage of System on Chip (SOC).
4. Define mobile operating system. List any four mobile operating systems.
5. List the different layers in iOS architecture.
- * 6. Draw a legible sketch of MVC architecture.
7. Write the purpose of R.java file.
8. What is toast message? List its types.
9. Write a short note on Create() callback function.
10. List any four user interface controls of Android OS other than button.

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PART—B

10×5=50

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

- 11.** Explain the modern DSP architecture. 10
- 12.** Explain the components of SOC. 10
- 13.** (a) Draw the architecture of Android OS. 5
(b) Explain about Android runtime in Android OS architecture. 5
- 14.** Explain the evolution of iOS. 10
- 15.** Explain the Android environment setup using eclipse IDE. 10
- 16.** Explain the following programming components of Android :
(a) Activities 5
(b) Services 5
- 17.** Explain the relative layout with at least five attributes. 10
- * **18.** Explain the button control with an example program. 10

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