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C16-CM-IT-504

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BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

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.
2. Write about evaluation of smart phones.
3. List different peripherals used in smart phone.
4. Write different layers of android OS.
5. What is the purpose of media layer in iPhone OS?
6. List different programming languages used for developing android applications.
7. Write about content providers in android applications.
8. What is the purpose of main activity file and R-file in android development?
9. How can you use time picker in android application?
10. What are the differences between liner layout and relative layout?

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[*Contd...*

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* PART—B

- 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.

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| 11. | What is SoC (System on Chip)? Draw and explain the components of SoC. | 10 |
| 12. | Explain features of modern DSP. | 10 |
| 13. | Explain layered architecture of iOS (iPhone Operating System). | 10 |
| 14. | (a) Write brief history of iOS. | 5 |
| | (b) Write the features of android runtime layer in android OS. | 5 |
| 15. | Explain android environment setup using eclipse IDE. | 10 |
| 16. | Explain about the following programming components of android. | 5+5 |
| | (a) Activities | |
| | (b) Services | |
| 17. | Explain checkbox and radio button controls with an example program. | 5+5 |
| 18. | Explain activity call back functions with an example program. | 10 |

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