



C16-CM/IT-504

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BOARD DIPLOMA EXAMINATION, (C-16)  
NOVEMBER—2020  
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 device. List any three types of mobile devices.
2. Write any three features of smart phones.
3. List the components of system in chip (SOC).
4. List the different layers of Android OS Architecture.
5. What is DVM?
6. List any six versions of Android OS.
7. How to create a Toast message?
8. Write the steps to run an android application.
9. How do you create EditText in XML?
10. What is user interface layout? List any three user interface layouts used in android applications.

**PART—B**

10×5=50

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

11. Explain traditional DSP architecture.
12. List and explain any five future technologies in smart phones.
13. Explain the architecture of iOS with block diagram.
14. Compare iOS and Android OS.
15. Explain the procedure to create 'Hello World' app.
16. What is intent? Explain various types of intent with examples.
17. List and explain the activity callback functions with a neat flow chart.
18. Explain DatePicker control with an example program.

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