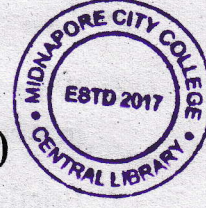


Total Pages : 4

B.Sc./3rd Sem (H)/COMP/23(CBCS)

2023

3rd Semester Examination  
COMPUTER SCIENCE (Honours)



Paper : SEC 1-T

[CBCS]

Full Marks : 25

Time : Two Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

**[Android Programming]**

**Group - A**

Answer any *three* questions :  $2 \times 3 = 6$

1. Why emulators are used in Android programming?
2. What are the core building blocks of android?
3. What is an APK format?
4. What are intents in Android programming?
5. Why Android called open-source?

P.T.O.





( 2 )

Group - B

Answer any *two* questions : 5×2=10

6. What is Android? Write down the activity, life cycle in Android programming. 2+3

7. Briefly explain Android Architecture. 5

8. How multiple screen sites are handled in Android programming? 5

Group - C

Answer any *one* question : 9×1=9

9. Write a short notes on (any three) 3×3=9

(i) Abstract class

(ii) Polymorphism

(iii) Interface

(iv) Inheritance

10. Describe about the widgets used in Android programming. Briefly explain about SQLite database used in Android programming. 5+4



( 3 )

OR

[Programming in MATLAB]

Group - A

Answer any *three* questions : 2×3=6

1. What is MATLAB?

2. What is Get and Set in MATLAB?

3. What is mat file?

4. What is the MATLAB working environment?

5. Explain MATLAB API.

Group - B

Answer any *two* questions : 5×2=10

6. Describe different types of Fundamental data types in MATLAB.

7. Describe different types of Loops in MATLAB.

8. What are the basic Advantages of MATLAB?

Group - C

Answer any *one* question : 9×1=9

9. What is the MATLAB working environment? What is stimlink? Describe how graphics are handled in MATLAB. 3+3+3

P.T.O.



( 4 )

10. Write down the lists of memory management functions in MATLAB. Write the syntax and flow diagram of if-end statement. 5+4

