

Total Pages : 4

B.Sc./3rd Sem (H)/COMP/22(CBCS)

2022

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]

Answer any **three** questions from Group-A,
any **two** questions from Group-B and
any **one** question from Group-C.

Group - A

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

1. What is layout? Give example of atleast two types of layouts.
2. Why JVM is required?
3. What is an Abstract class?
4. Why intents are used in Android programming?
5. What is a manifest file?

P.T.O.

(2)

Group - B

Answer any *two* questions : $5 \times 2 = 10$

6. Explain any two Android Java packages that are present in Android SDK. 5
7. What is meant by overloading and overriding? 5
8. How to connect a page in Android with SQL lite database? 5

Group - C

Answer any *one* question : $9 \times 1 = 9$

9. What is view and canvas? Write down a code to show the use of combo box. $4 + 5 = 9$
 10. Discuss activity life cycle in Android UI Architecture. What is meant by application context? $6 + 3 = 9$
-

(3)

OR

[Programming in MATLAB]

Answer any *three* questions from Group-A,
any *two* questions from Group-B and
any *one* question from Group-C.

Group - A

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

1. Give example of one function in MATLAB that is required to plot a graph.
2. How 2D array is declared in MATLAB? Give example.
3. Write the syntax of "for loop" in MATLAB.
4. Find average of five numbers in MATLAB.
5. What are the uses of zeroes () and ones () in MATLAB?

Group - B

Answer any *two* questions : $5 \times 2 = 10$

6. Explain the functions to sort and rotate the array contents in MATLAB.
7. What is the use of script files? Explain the creation and execution of script files.
8. What is variable? How it is defined in MATLAB? Give rules regarding variable names.

P.T.O.

(4)

Group - C

Answer any *one* question :

9×1=9

9. How control flow structures are used in MATLAB programming? Write a program to show activity of control flow structures in MATLAB.
 10. Write a program to input 2 strings the user and print
(i) the concatenation of the two strings with a space between them (ii) the reversal concatenation.
-