No. of Printed Pages : 04   Roll No. ....

48586

B.C.A. EXAMINATION, 2022

(Fifth Semester)

(2021-22 Onwards)

ANDROID PROGRAMMING

BCA-19-56-2

Time : 3 Hours]   [*Maximum Marks* : 80

Note : Attempt questions are compulsory.

Section A

1. Answer the following questions briefly :

   (a) What is mobility ?

   (b) Describe emulator.

   (c) What do you mean by an app in Android ?

   (d) What is an activity ?

(e) Explain event.

(f) Describe API.

(g) What is Canvas ?

(h) Explain SQL.

(i) Define database.

(j) What is Testing ?

(k) Define unit testing.

(l) What is Dubugging ?   12×1=12

Section B

2. What is Android ? Discuss its advantages with suitable examples.   3

3. Explain thread and its *two* major services. 3

4. What is relational database ? Explain briefly. 3

5. Describe boundary value testing.   3

Section C

6. Explain mobile OS architecture of android. 6

Or

. What is AVD ? How is it set up and used ?

7. Describe telephony and its uses.   6

Or

Define telephony. Explain its applications.

8. Explain App data handling and its merits. 6

Or

Describe flat file and its advantages.

9. Describe *two* white box testing techniques. 6

Or

Explain pros and cons of white box testing.

Section D

10. What is Windows ? How is it used and useful ? Explain its applications and major features with examples.   8

Or

Describe logical components of an Android App and their uses and applications.

11. Explain states and life-cycle of a thread in detail. **8**

Or

Describe the working with threads and their advantages.

12. Explain various features of RDBMS and its advantages. **8**

Or

Describe multimedia types and its features and advantages.

13. Explain black box testing of a mobile application. Also discuss its advantages. **8**

Or

Describe three black-box testing techniques and their advantages.

thread
pool
Execution