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| Seat No. |  |
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SW-118  
Total No. of Pages : 03

**B.C.A. (CBCS)**  
**Examination, March 2024.**  
**ANDROID PROGRAMMING**

Sub. Code : 88295

(B.C.A - III, SEM - VI)



Day and Date: Wednesday, 27-03-2024

Total Marks: 70

Time: 02.30 p.m. to 05.30 p.m.

- Instructions:
- 1) Q.1 and Q.6 are compulsory.
  - 2) Attempt ANY THREE questions from Q.2 to Q.5.
  - 3) Figures to the right indicate full marks.

Q.1 a) Multiple choice questions. (10 questions for 1 mark each) (10)

- 1) Which operating system is the Android OS based off of?  
(A) Mac OSX (B) Linux  
(C) Unix (D) Windows NT Kernel
- 2) Which of the following virtual machine is used by the Android operating system?  
(A) JVM (B) Dalvik virtual machine  
(C) Simple virtual machine (D) None of these
- 3) APK stands for .....  
(A) Android Phone Kit (B) Android Page Kit  
(C) Android Package Kit (D) None of these
- 4) What is an activity in Android?  
(A) Android class  
(B) Android package  
(C) A single screen in an application with supporting java code.  
(D) None of these

- 5) Which of the following is the first callback method that is invoked by the system during an activity life-cycle?
- (A) onClick() method (B) onCreate() method  
(C) onStart() method (D) onRestart() method
- 6) What does API stand for?
- (A) Application Programming Interface  
(B) Android Programming Interface  
(C) Android Page Interface  
(D) Application Page Interface
- 7) Which of the following is the topmost layer of Android architecture?
- (A) System Libraries and Android Runtime  
(B) Linux Kernel  
(C) Applications  
(D) Applications Framework
- 8) Which of the following is the built-in database of Android?
- (A) SQLite (B) MySQL  
(C) Oracle (D) None of these
- 9) Which of the following layout in Android aligns all children either vertically or horizontally?
- (A) RelativeLayout (B) TableLayout  
(C) FrameLayout (D) LinearLayout
- 10) An Android ..... is an abstract description of an operation to be performed.
- (A) Filters (B) Intent  
(C) Service (D) Broadcast Receiver



b) Give short answer. (Any two) (10)

- 1) Explain different types of mobile applications.
- 2) Explain Android Project Structure in detail.
- 3) What is Intent? Explain different types of Intents.

Q.2 Explain the history of Android in brief. (10)

Q.3 Explain Android architecture in detail. (10)

Q.4 What is Activity? Illustrate activity life cycle in detail. (10)

Q.5 Explain different layouts available in Android. (10)

Q.6 Write notes. (Any four) (20)

- 1) Operating System Structure
- 2) Dalvik Virtual Machine
- 3) Emulator
- 4) UI Components
- 5) Form widgets
- 6) SQLite Database

