

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 1818 **H**

Unique Paper Code : 62343636

Name of the Paper : Android Programming (SEC)

Name of the Course : **B.A. (Program) (Admission of 2019, 2020 and 2021)**

Semester : VI

Duration : 2 Hours

Maximum Marks : 25

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. The paper has **two** sections.
3. **All** questions in **Section A** are compulsory.
4. Attempt any three questions from **Section B**.
5. Parts of a question must be answered together.

SECTION A

1. (a) List *any two* important sections of android studio. (2)
(b) Differentiate between Activities and services. (1)

- (c) Explain how layouts are placed in android? (2)
- (d) Explain the role of Android emulator. (2)
- (e) Do we need to create a new AVD every time when we open a new app? (1)
- (f) Why is spinner used in any app? Name any 2 spinners. (2)

SECTION B

- 2. Explain the Android application architecture. (5)
- 3. Create a Java class having at least three data members, one for the data type Integer and two Strings. Write a Java code to initialize this class instance. (5)
- 4. Define the term *instance state* of an activity?
Use appropriate lifecycle methods to support your answer. (5)
- 5. Explain in detail *intents* and *intent filters* giving suitable examples. (5)
- 6. List the various types of *Layout* supported by android system. Differentiate between linear layout and relative layout. (5)