

2023

INFORMATION TECHNOLOGY

Job Role : Software Developer

Paper : INT-VE-6016

(Android Application Development)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer the following as directed : 1×7=7

(a) What is the latest version of Android?

(b) Who is the founder of Android operating system?

(c) UI stands for _____.

(Fill in the blank)

(d) _____ is the built-in database in Android _____.

(Fill in the blanks)

(2)

(e) Android is open source.
(Write True/False)

(f) What is the Android code name for version 11?

(g) SDK stands for _____.
(Fill in the blank)

2. Answer the following questions : $2 \times 4 = 8$

(a) What is an activity?

(b) What is an implicit intent?

(c) What is a service in Android?

(d) What is a toast in Android?

3. Answer any *three* of the following questions :
 $5 \times 3 = 15$

(a) Describe Android application architecture.

(b) What is Google Android SDK? Explain its tools. $2 + 3 = 5$

(c) What are the advantages of Android?

(d) Create a button event to display the average of five numbers.

(e) Explain shared preference in Android.

(3)

4. Answer any *three* of the following questions :
 $10 \times 3 = 30$

(a) Explain relative layout with suitable example.

(b) Write down the steps and describe how to create an emulator. $5 \times 5 = 10$

(c) Write short notes on the following :

(i) onCreate()

(ii) onResume()

(iii) onStart()

(iv) onDestroy()

(v) onOnStop()

(d) Create Android application to operate basic addition calculator.

(e) Create a Registration Form in Android with contents (Full Name, DOB, SEX, ADDRESS, Contact No).
