

(4)

Group—D

4. Answer any *two* questions each within
300 words : $15 \times 2 = 30$
- (a) Explain different types of mobile applications with its advantages and disadvantages.
- (b) Show the steps to creating a new Android project in eclipse.
- (c) What is string in Python? Explain with an example. Explain any five string methods with a small example.

Course Code
CSP – 46

Term End Examination - December, 2019

FUNDAMENTALS OF ANDROID
PROGRAMMING AND PYTHON

Post Graduate Diploma in Computer
Applications (PGDCA)
Advance Diploma in Computer Applications
(ADCA)
Diploma in Android Programming

Time : 3 hours

Full Marks : 100

The figures in the right-hand margin indicate marks

Answer **all** Groups as directed

Group—A

1. Answer *all* the questions, each within *1*
or *2* sentences : $1 \times 10 = 10$
- (a) What are the alternate of Android OS?
- (b) Name any two devices that runs
Android as the operating system.
- (c) When does onStart() of activity get
called?

(2)

- (d) What is an Activity in Android?
- (e) Name any two Mobile Applications written in Python.
- (f) What is void function in Python?
- (g) Name two types of Hardware Description Language (HDL).
- (h) What is IDLE in Python?
- (i) Name two frameworks for game-development with Python.
- (j) Print OSOU using python code.

Group—B

- 2.** Answer any *four* questions each within 100 words : 5×4=20
- (a) What is JDK?
 - (b) Write a note on Dalvik Virtual Machine (DVM).
 - (c) Write a note on comments in Python programming.
 - (d) What is the role of an Android emulator?

(3)

- (e) Write a Python program to reverse a number.
- (f) Write a note on Lambda function in Python.

Group—C

- 3.** Answer any *four* questions each within 200 words : 10×4=40
- (a) Explain different versions of Android OS.
 - (b) What is activity in Android? What is activity lifecycle? Explain.
 - (c) Write and explain different applications of Python programming.
 - (d) What are the Android process states?
 - (e) Write a Python program to see the day of the week. i.e. 2→ Tuesday, 3→ Wednesday etc. using switch case.
 - (f) Explain different argument types used in Python function.