

**PART C — (5 × 8 = 40 marks)**

Answer ALL questions, choosing either (a) or (b)  
Each answer should not exceed 600 words.

16. (a) What is Android? Explain Android versions and features.  
Or  
(b) Explain debugging the application in detail.
17. (a) Explain how to link activities using intents.  
Or  
(b) Explain fragments in detail.
18. (a) Briefly explain the various components of a screen.  
Or  
(b) Explain how to utilize the action bar.
19. (a) Explain in detail the basic views.  
Or  
(b) Briefly explain how to understand specialized fragments.
20. (a) Briefly explain how to use menus with views.  
Or  
(b) Explain how to persist data to files.

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**Code No. : 41398 E Sub. Code : SSCS 4 A**

**B.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2019.**

**Fourth Semester**

**Computer Science – Main**

**Skill Based Subject – ANDROID PROGRAMMING**

**(For those who joined in July 2017 onwards)**

**Time : Three hours**

**Maximum : 75 marks**

**PART A — (10 × 1 = 10 marks)**

Answer ALL questions.

Choose the correct answer :

- Android is based on a modified version of  
(a) Windows 7 (b) Linux  
(c) Windows 10 (d) Windows XP
- Doze feature was supported by  
(a) Android 4.1 (b) Android 5.0  
(c) Android 6.0 (d) Android 7.0
- Event gets called when activity starts interacting with the user is  
(a) onStart () (b) onPause ()  
(c) onResume () (d) onStop ()



4. The method that does not return a result to the current activity is
  - (a) StartActivity ( )
  - (b) StartActivityForResult ( )
  - (c) onStart ( )
  - (d) SetResult ( )
5. Which one of the following is not a view
  - (a) buttons
  - (b) forms
  - (c) labels
  - (d) text boxes
6. The attributes that specifies how child views are positioned is
  - (a) layout-width
  - (b) layout-x
  - (c) layout-gravity
  - (d) layout-margin top
7. The view that provides visual feedback about some ongoing task is
  - (a) Progress Bar
  - (b) Button
  - (c) Text Box
  - (d) Check Box
8. By default, TimePicker displays the time in which format
  - (a) AM
  - (b) PM
  - (c) AM/PM
  - (d) None of these
9. The size of the images can be specified in which of the following method
  - (a) convertView ( )
  - (b) getView ( )
  - (c) setView ( )
  - (d) imageView ( )
10. The method used to save the changes to the preferences file is
  - (a) save ( )
  - (b) submit ( )
  - (c) commit ( )
  - (d) click ( )

Page 2 Code No. : 41398 E

#### PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).  
Each answer should not exceed 250 words.

11. (a) Explain the architecture of Android with neat diagram.  
Or  
(b) Explain code completion with example.
12. (a) Explain how to apply styles and themes to an activity and how to hide the activity title.  
Or  
(b) Explain the life cycle of a fragment.
13. (a) Explain horizontal linear layout and vertical linear layout.  
Or  
(b) Explain how to manage change to screen orientation.
14. (a) Explain the various types of picker views.  
Or  
(b) Explain ListView View and Spinner view.
15. (a) Explain ImageSwitcher and GridView.  
Or  
(b) Explain how to use the database programmatically.

Page 3 Code No. : 41398 E

