Reg. No.: .....

Code No.: 20614 E Sub. Code: SSCS4A/ SSSE4A

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2021.

Fourth Semester

Computer Science/Software Engineering

Skill Based Subject - ANDROID PROGRAMMING

(For those who joined in July 2017 onwards)

Time: Three hours Maximum: 75 marks

PART A —  $(10 \times 1 = 10 \text{ marks})$ 

Answer ALL questions.

Choose the correct answer:

- 1. Find the odd one out.
  - (a) Donut
  - (b) Kitkat
  - (c) Black Forest
  - (d) Marshmallow

2.		——— is an invalu	able	tool that shows you			
	contextual options for completing the piece of co						
	that you are trying to write						
	(a)	Activity	(b)	Code completion			
	(c)	Intent	(d)	Fragments			
3.				vity by tapping the			
	back button, ——— method is called						
	(a)	onCreate()	(b)	onPause()			
	(c)	onDestroy()	(d)	onCreate()			
4.	What is used to navigate between activities?						
	(a)	intents	(b)	fragments			
	(c)	class	(d)	all the above			
5.	A — is used to group and arrange view						
	visually on the screen.						
	(a)	View Group	(b)	Container			
	(c)	Intent	(d)	Layout			

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6.		ch of the following ifying font sizes?	units	is recommended for		
	(a)	dp	(b)	pt		
	(c)	sp	(d)	px		
7.	The views used to display a long list of in					
	(a)	basic views	(b)	list views		
	(c)	picker views	(d)	button views		
8.	The	AutoCompleteText	View	is a subclass of		
	(a)	Edit Text	(b)	Text View		
	(c)	Set Adapter	(d)	All the above		
9.	The ———— shows items in a two dimensional scrolling grid.					
	(a)	Image View	(b)	Web View		
	(c)	Context Menu	(d)	Grid View		
10.	To convert a character stream into a byte stream, an instance of the ———————————————————————————————————					
	(a)	File Output Stream				
	(b)	Input Stream Reade	er			
	(c)	Output Stream Writer				
	(d)	Open File Output				

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## PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Discuss the features of Android.

Or

- (b) Explain the Android developer community.
- 12. (a) How do you create an activity? Explain.

Or

- (b) Discuss on passing data using an Intent Object.
- 13. (a) What are the Layouts available in Android? List them.

Or

- (b) How do you persist state information during changes in configuration?
- 14. (a) Explain Date Picker View.

Or

(b) Describe the usage of Dialog Fragment.

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15. (a) How do you display an Options Menu in Android? Explain.

Or

(b) Discuss on retrieving and modifying the preferences values.

PART C — 
$$(5 \times 8 = 40 \text{ marks})$$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe the Architecture of Android.

Or

- (b) Give an account on publishing an Android Application.
- 17. (a) Explain about displaying a Dialog Window.

Or

- (b) With an example, explain the life cycle of a fragment.
- 18. (a) Discuss on managing changes to screen orientation with example.

Or

(b) How to add action items to the Action Bar? Explain with example.

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19. (a) Write note on Progress Bar View.

Or

- (b) Discuss about Spinner View.
- 20. (a) Why do you need Image Switcher? Explain it with example.

Or

(b) How do you save data to external storage? Explain.

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