

# Mid Term Exam Fall 2020

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The respondent's email (**null**) was recorded on submission of this form.

**\* Required**

1. Email \*

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2. Name \*

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3. Roll number \*

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4. Section \*

*Mark only one oval.*

☐ BCSF17M

☐ BITF17M

Fill in the blanks

**adapter**

5. 1. An \_\_\_\_\_ is a bridge between UI component and data source that helps us to fill data in UI component.

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6. 2. When your application have multiple activities then all activity instances are managed by the \_\_\_\_\_

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Extras

7. 3. \_\_\_\_\_ are one or more pieces of information as a collection of key-value pairs in a Bundle.

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service

8. 4. A \_\_\_\_\_ is a component that performs operations in the background without a user interface.

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Open Headset Alliance

9. 5. OHA stands for \_\_\_\_\_

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onSaveInstanceState()

10. 6. When there is a possibility that the Activity may be destroyed, \_\_\_\_\_ is called by android runtime.

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Layout

11. 7. \_\_\_\_\_ is a viewgroup that is defined as set of rules.

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12. 8. Default orientation in linear layout is \_\_\_\_\_

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### Multiple Choice Questions

13. 1. What is the driving force behind an Android application that ultimately gets converted into a Dalvik executable?

*Mark only one oval.*

- ☐ R-file
- ☐ SDK
- ☐ Emulator
- ☒ Java Source code

14. 2. Which of the following is true about intent?

*Mark only one oval.*

- ☐ Intents are messages that are sent among major building blocks
- ☐ Intents trigger activities to being and services to start
- ☐ Intents are asynchronous
- ☒ All

15. 3. AVD stands for?

*Mark only one oval.*

- ☐ Android Virtual Display
- ☒ Android Virtual Device
- ☐ Active Virtual Device
- ☐ Application Virtual Display

16. 4. The R file is a file which is generated

*Mark only one oval.*

- ☐ Manually
- ☐ Emulated
- ☒ Automatically
- ☐ None

17. 5. Which of the following is not a component of an apk file?

*Mark only one oval.*

- ☐ Resources
- ☐ Native Libraries
- ☐ Dalvik executables
- ☐ Resources, native libraries and Dalvik executable

All of these are the components of an apk

18. 6. Which of the following methods updates a ListView when an element is added to the data set?

*Mark only one oval.*

- ☐ notify()
- ☐ notifyAll()
- ☒ notifyDataSetChanged()
- ☐ notifyDataSetChanged()

19. 7. Which of the following methods is called in an Activity when another activity gets into the foreground?

*Mark only one oval.*

- ☐ onStop()
- ☒ onPause()
- ☐ onDestroy()
- ☐ onExit()

20. 8. In which Activity life-cycle method you should do all of your normal static set up such as: creating views and bind data to lists?

*Mark only one oval.*

- ☐ onResume()
- ☐ onStart()
- ☒ onCreate()
- ☐ onPause()

Write short answers to the following questions.

21. 1. Where will you declare your activity so the system can access it? Also elaborate your answer with code.

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22. 2. What is the proper way of setting up an Android-powered device for app development?

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23. 3. What is the difference between activity and view in android?

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Write Java code for the following problem.

24. Application will consist of two textviews and two buttons. One button is named as "Set time" and the other named as "Set Date". On clicking "Set date" date picker will be popped up and your selected date will be shown in TextView1. Clicking on "Set time" button will allow you to set time and that time will be shown in TextView2.

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# Google Forms