

Intg. M.Sc. IT MAD Semester 2 Examination**MSCMA 407****Basic Android Programming****Time : 2-30 Hours]****June-2024****[Max. Marks : 70****Section 1:****(20)**

1. In which year OHA (Open Handset Alliance) is announced?
 - a. 2005
 - b. 2007
 - c. 2006
 - d. None of the above
2. Which of the following is the name of the Android version 1.5?
 - a. Éclair
 - b. Froyo
 - c. Cupcake
 - d. Donut
3. Which of the following is the name of the Android version 1.6?
 - a. Éclair
 - b. Froyo
 - c. Cupcake
 - d. Donut
4. Which of the following is the topmost layer of android architecture?
 - a. System Libraries and Android Runtime
 - b. Linux Kernel
 - c. Applications
 - d. Applications Framework
5. _____ virtual machines is used by the Android operating system.
6. Android is based on _____ languages?
7. APK stands for –
 - a. Android Phone Kit
 - b. Android Page Kit
 - c. Android Package Kit
 - d. None of the above

8. Which of the following converts Java byte code into Dalvik byte code?

- a. Dalvik converter
- b. Dex compiler
- c. Mobile interpretive compiler (MIC)
- d. None of the above

9. AVD stand for _____.

10. Does android support other languages than java?

- a. Yes
- b. No
- c. May be
- d. Can't say

11. What is the use of content provider in Android?

- a. For storing the data in the database
- b. For sharing the data between applications
- c. For sending the data from an application to another application
- d. None of the above

12. AAPT stands for Android Asset Packaging Tool

- a. True
- b. False

13. NDK stands for –

- a. Native Development Kit
- b. New Development kit
- c. Native Design Kit
- d. None of the above

14. Java source code is contained in the src folder?

- a. True
- b. False

15. Which of the following method is used to handle what happens after clicking a button?

- a. onClick
- b. onCreate
- c. onSelect
- d. None of the above

16. Which of the following android component displays the part of an activity on screen?

- a. View
- b. Manifest
- c. Intent
- d. Fragment

17. `ContextThemeWrapper` is the parent class of `Activity`?

- a. True
- b. False

18. CHA in android stands for –

- a. Open Health Academy
- b. Open Handset Alliance
- c. Open Handset Application
- d. Open Handset Association

19. In _____ tab an error is shown.

20. _____ is the built-in database of Android?

P.T.O

Section 2:**(50)**

Question 2: Explain what Android is. Describe its significance in the mobile development landscape. (05)

Question 3: List and describe at least five major versions of Android, highlighting significant features introduced in each. (07)

Question 4: Discuss the LifeCycle of an Android Activity. (05)

Question 5: Explain the difference between a Button and a ToggleButton with Example. (05)

Question 6: Discuss the types of Android menus and provide examples of each. (05)

Question 7: What is an Android Service? Describe its main purposes and when it is used. (03)

Question 8: Explain the lifecycle of an Android service. Provide a brief description of each lifecycle method. (05)

Question 9: Differentiate between started and bound services in Android. Provide examples of each. (05)

Question 10: Differentiate between Implicit and Explicit Intent in Android. (05)

Question 11: Describe the purpose of Android Fragments and when they are used. (05)

*****ALL THE BEST*****