## Bài 1: Giới thiệu công nghệ smartphone và android, cài đặt môi trường lập trình android

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| What Eclipse plug-in is required to develop Android application?  **A.** J2EE  **B.** Android Software Development Kit  **C.** Android Development Tools  **D.** Web Development Tools  **Answer: C** |
| Which of these is the incorrect explanation of the Android SDK and AVD Manager?  **A.** They are provided from version 1.6 of the SDK. Up to Version 1.5, there was an AVD Manager but it lacked SDK management functions.  **B.** You can create and startup AVD, and on startup you can delete user data up to that point.  **C.** The "android" command can be used if "<SDK install folder>/tools" is added to the command path.  **D.** The development tools that can be downloaded from Android SDK and AVD Manager are SDK Android platform, NDK-platform, emulator images, and USB drivers for handsets.  **Answer: D** |
| The DalvikVM core libraries are a subset of which of the following?  **A.** Java ME  **B.** Java SE  **C.** Java EE  **D.** JAX-WS  **Answer: B** |

## Bài 2: Biến và kiểu dữ liệu. Cấu trúc project android. Các View cơ bản

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| What does the src folder contain?  **A.** Image and icon files.  **B.** XML resource files.  **C.** The application manifest file.  **D.** Java source code files.  **Answer: D** |
| What does the Android project folder “res/” contain?  **A.** Java Activity classes  **B.** Resource files  **C.** Java source code  **D.** Libraries  **Answer: B** |
| What is a correct statement about an XML layout file?  **A.** A layout PNG image file.  **B.** A file used to draw the content of an Activity.  **C.** A file that contains all application permission information.  **D.** A file that contains a single activity widget.  **Answer: B** |
| What is the name of the folder that contains the R.java file?  **A.** src  **B.** res  **C.** bin  **D.** gen  **Answer: D** |
| Which of the following is a Java call-back method invoked when a view is clicked?  **A.** Detector  **B.** OnTapListener  **C.** OnClickDetector  **D.** OnClickListener  **Answer: D** |
| Which of these files contains text values that you can use in your application?  **A.** AndroidManifest.xml  **B.** res/Text.xml  **C.** res/layout/Main.xml  **D.** res/values/strings.xml  **Answer: D** |
| What Activity method you use to retrieve a reference to an Android view by using the id attribute of a resource XML?  **A.** findViewByReference(int id)  **B.** findViewById(int id)  **C.** retrieveResourceById(int id)  **D.** findViewById(String id)  **Answer: B** |

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| Which of the following is incorrect about the LogCat tool?  **A.** A LogCat view is available as part of the ADT plugin of Eclipse.  **B.** You can create a log in your application using Log.v(String, String).  **C.** Each log message has a tag.  **D.** Only one of your application can create log entries, and it should be component class (Activity, Service,...etc).  **Answer: D** |