ChatGPT

Title: 200 MCQs with Answers on Flutter and Firebase

SECTION 1: FLUTTER BASICS (20 Questions)

Q1. What is Flutter? A. A programming language
B. A mobile operating system
C. An open-source UI toolkit by Google ✔
D. A cloud platform

Q2. Dart is used with which of the following frameworks? A. React Native
B. Flutter ✔
C. Xamarin
D. Ionic

Q3. Which programming language is used to code Flutter apps? A. Java
B. Kotlin
C. Dart ✔
D. Swift

Q4. What command is used to create a new Flutter project? A. flutter start
B. flutter create ✔
C. flutter init
D. flutter new

Q5. What file holds the dependencies in a Flutter project? A. main.dart
B. AndroidManifest.xml
C. pubspec.yaml ✔
D. flutter.json

Q6. What is the root widget of a Flutter app? A. Scaffold
B. MaterialApp ✔
C. App
D. Container

Q7. Which platform is not supported by Flutter? A. Android
B. iOS
C. Web
D. PlayStation ✔

Q8. Flutter is primarily used for? A. Web development
B. Cross-platform mobile development ✔

C. Desktop software

D. Server-side development

Q9. Which company created Flutter? A. Apple

B. Microsoft

C. Google ✔

D. Facebook

Q10. Dart supports which programming paradigm? A. Object-oriented ✔

B. Procedural

C. Functional

D. Assembly

Q11. What does "hot reload" do? A. Stops the app

B. Restarts the app

C. Updates code changes instantly ✔

D. Saves to device

Q12. Which widget helps in placing content safely within the visible screen? A. Padding

B. Container

C. SafeArea ✔

D. Align

Q13. What is the extension of Dart files? A. .java

B. .dart ✔

C. .flutter

D. .xml

Q14. What is used to define the layout direction? A. LayoutBuilder

B. Directionality ✔

C. Flex

D. Position

Q15. StatelessWidget is? A. A widget that has mutable state

B. A widget with no state ✔

C. A background service

D. A plugin

Q16. What does the `build()` method return? A. Nothing

B. A Widget ✔

C. A String

D. A Future

Q17. Which widget is used to detect gestures? A. Button

B. GestureDetector ✔

C. InkWell
D. Slider

Q18. To scroll a list of widgets, we use: A. Column
B. Row
C. ListView ✔
D. Stack

Q19. How do you add a package in Flutter? A. Using `flutter get`
B. Editing pubspec.yaml ✔
C. Using `flutter add`
D. In main.dart

Q20. Which widget provides material design visual layout? A. CupertinoApp
B. MaterialApp ✔
C. StatelessWidget
D. ThemeData

SECTION 2: FLUTTER WIDGETS AND UI (30 Questions)

Q21. Which widget is used to lay out children vertically? A. Row
B. Column ✔
C. Stack
D. ListView

Q22. What does the `setState()` function do? A. Deletes state permanently
B. Updates UI with new state ✔
C. Changes the app name
D. Closes the app

Q23. Which widget can be used for spacing? A. Divider
B. Padding ✔
C. Container
D. Center

Q24. Which widget places its child at the center of the parent? A. Align
B. Center ✔
C. Positioned
D. Container

Q25. What is the default axis of a Row widget? A. Vertical
B. Horizontal ✔
C. Diagonal
D. Circular

Q26. How many children can a Column have? A. Only one
B. Unlimited ✔
C. Two
D. Fixed

Q27. What is the use of the Flexible widget? A. To align children
B. To make child widgets flexible in size ✔
C. To detect gestures
D. To animate widgets

Q28. Which widget is used to wrap multiple widgets and apply common padding or margin? A. Wrap
B. Container ✔
C. Stack
D. Align

Q29. Which widget allows overlapping widgets? A. Stack ✔
B. Row
C. Column
D. ListView

Q30. Which widget displays a temporary message at the bottom? A. Snackbar ✔
B. Dialog
C. Alert
D. Toast

Q31. `Expanded` widget is used with: A. Row and Column ✔
B. Stack
C. ListView
D. GestureDetector

Q32. Which widget is used for text input? A. Text
B. TextFormField ✔
C. Form
D. Input

Q33. What does `Scaffold` provide? A. Basic visual layout structure ✔
B. Audio control
C. Database access
D. Animations

Q34. What widget provides a material-design app bar? A. NavBar
B. AppBar ✔
C. ToolBar
D. HeaderBar

Q35. `TextStyle` is used with: A. Text ✔
B. Image
C. Container
D. Scaffold

Q36. Which widget allows creating tabs? A. TabBar ✔
B. Scaffold
C. AppBar
D. Navigator

Q37. What widget detects taps and gestures? A. GestureDetector ✔
B. Detector
C. TapWidget
D. TouchField

Q38. `SizedBox` is primarily used for: A. Animations
B. Spacing ✔
C. Styling
D. Fonts

Q39. What is a widget in Flutter? A. HTML element
B. UI component ✔
C. Backend class
D. Database table

Q40. Which widget can be used to wrap text? A. Wrap
B. Text ✔
C. Container
D. Flex

Q41. Which widget allows scrolling in a single axis? A. ScrollView
B. SingleChildScrollView ✔
C. Column
D. PageView

Q42. Which widget provides a dropdown menu? A. DropdownButton ✔
B. ListView
C. AppBar
D. Drawer

Q43. Which widget draws a circle avatar? A. CircleImage
B. CircleAvatar ✔
C. Profile
D. ImageCircle

Q44. The default constructor of a StatelessWidget is: A. `@override Widget build()` ✔

B. `buildState()`

C. `widgetBuilder()`

D. `createWidget()`

Q45. Flutter layouts are: A. CSS-based

B. Widget-based ✔

C. XML-based

D. LayoutManager-based

Q46. What is a child in Flutter? A. A widget within a widget ✔

B. A parent widget

C. A state function

D. None

Q47. You can animate widgets using: A. AnimationController ✔

B. Controller

C. Timer

D. Bloc

Q48. Which widget expands a child to fill the available space? A. Expanded ✔

B. SizedBox

C. Padding

D. Row

Q49. `Align` widget is used to: A. Align child within itself ✔

B. Animate widget

C. Resize widget

D. Scroll list

Q50. A screen in Flutter is called: A. Frame

B. Page

C. Route ✔

D. Layout