



Title: 200 MCQs with Answers on Flutter and Firebase

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[Previous 100 questions remain unchanged]

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## SECTION 3: NAVIGATION AND ROUTING (20 Questions)

**Q101.** What is used to navigate to a new screen in Flutter? A. Navigator.push ✓

- B. Route.pop
- C. Page.goto
- D. Redirect.to

**Q102.** How do you remove a screen from the stack? A. Navigator.open

- B. Navigator.pop ✓
- C. Navigator.end
- D. Navigator.clear

**Q103.** Named routes are defined in: A. Scaffold

- B. runApp()
- C. MaterialApp ✓
- D. Main

**Q104.** Which argument is used for setting initial route in Flutter? A. startRoute

- B. firstScreen
- C. initialRoute ✓
- D. rootScreen

**Q105.** What widget builds content based on the active route? A. RouteView

- B. Navigator
- C. PageView
- D. MaterialApp ✓

**Q106.** `Navigator.pushReplacement()` does what? A. Adds new route

- B. Pops last and adds new route ✓
- C. Clears all routes
- D. Updates UI

**Q107.** How do you pass data to a new screen in Flutter? A. Through globals

- B. Via Navigator arguments ✓
- C. Using Streams
- D. By callbacks

**Q108.** What is the widget used to define a custom route transition? A. Route  
B. PageRouteBuilder ✓  
C. MaterialPageRoute  
D. PushRoute

**Q109.** `Navigator.pop(context, result)` is used to: A. Close the app  
B. Pass result back ✓  
C. Refresh screen  
D. Save state

**Q110.** What is a common way to wrap route parameters? A. ContextParams  
B. RouteSettings ✓  
C. NavigationProps  
D. NavigatorData

**Q111.** What does the `onGenerateRoute` function do? A. Builds main widget  
B. Generates screens ✓  
C. Registers plugins  
D. Loads assets

**Q112.** Which method is used to push a named route? A. `pushRouteName()`  
B. `pushNamed()` ✓  
C. `routePush()`  
D. `navigateTo()`

**Q113.** Which Flutter class maintains navigation history? A. Navigator ✓  
B. Stack  
C. MaterialApp  
D. Router

**Q114.** Navigator is a: A. State widget  
B. Stateless widget  
C. Widget manager  
D. Widget ✓

**Q115.** How do you remove all routes? A. `Navigator.pop()`  
B. `Navigator.clear()`  
C. `Navigator.pushAndRemoveUntil` ✓  
D. `Navigator.reset()`

**Q116.** Which routing strategy is most useful in large apps? A. Static routes only  
B. Deep linking ✓  
C. Random access  
D. Manual control

**Q117.** What can be used to observe route changes? A. Observer  
B. RouteObserver ✓  
C. ScreenWatcher  
D. NavigationMonitor

**Q118.** To support custom transitions, use: A. NavigatorBuilder  
B. AnimatedNavigator  
C. PageRouteBuilder ✓  
D. MaterialApp

**Q119.** Which method provides return value from another screen? A. .back()  
B. .end()  
C. .pop() ✓  
D. .exit()

**Q120.** What is required for Hero animation? A. Shared keys ✓  
B. State variables  
C. Theme widget  
D. TransitionTimer

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## SECTION 4: STATE MANAGEMENT (20 Questions)

**Q121.** Which built-in method is used for simple state updates? A. updateUI()  
B. rebuild()  
C. setState() ✓  
D. pushState()

**Q122.** What package is commonly used for scalable state management? A. scoped\_model  
B. provider ✓  
C. flutter\_state  
D. flutter\_bloc

**Q123.** In which widget type is `setState()` unavailable? A. StatelessWidget ✓  
B. StatefulWidget  
C. Consumer  
D. Scaffold

**Q124.** What is the function of the `ChangeNotifier` class? A. Animation  
B. HTTP requests  
C. Notify listeners ✓  
D. Widget styling

**Q125.** What is the base class for reactive streams? A. List  
B. Future

- C. Stream ✓
- D. Async

**Q126.** What does BLoC stand for? A. Block of Code  
B. Business Logic Component ✓  
C. Binary Logic Control  
D. Base Level Controller

**Q127.** What stream component listens for events? A. BlocBuilder  
B. StreamConsumer  
C. StreamBuilder ✓  
D. EventSink

**Q128.** What does Provider.of(context) return? A. The current widget  
B. The nearest ancestor provider ✓  
C. A route  
D. A widget list

**Q129.** What Flutter widget rebuilds UI based on state changes in provider? A. Scaffold  
B. Consumer ✓  
C. Listener  
D. StatefulWidget

**Q130.** What allows multiple providers to be used? A. MultiProvider ✓  
B. StateSet  
C. GlobalState  
D. StackProvider

**Q131.** BLoC pattern separates: A. Backend from frontend  
B. UI from logic ✓  
C. Database from UI  
D. Auth from login

**Q132.** Which is not part of BLoC architecture? A. Stream  
B. Event  
C. Listener  
D. Notification ✓

**Q133.** Which widget listens to changes in bloc state? A. BlocListener ✓  
B. StreamBuilder  
C. Consumer  
D. ChangeNotifier

**Q134.** Which widget rebuilds UI based on bloc state? A. StreamBuilder  
B. BlocBuilder ✓

- C. StateBuilder
- D. FutureBuilder

**Q135.** How is BLoC data passed to child widgets? A. Navigator

- B. BlocProvider ✓
- C. RouteProvider
- D. StateManager

**Q136.** What is used to emit new states in BLoC? A. sink.add()

- B. emit() ✓
- C. push()
- D. notify()

**Q137.** Which class provides immutable states? A. DataState

- B. BlocState
- C. Equatable ✓
- D. StreamState

**Q138.** Riverpod is: A. Deprecated

- B. An extension to Provider ✓
- C. An animation tool
- D. A build system

**Q139.** What ensures a Provider is properly disposed? A. AutoDispose ✓

- B. ClearProvider
- C. DeleteProvider
- D. StateCleaner

**Q140.** In GetX, what is `Obx` used for? A. Listen to streams

- B. Build UI on reactive changes ✓
  - C. Run animations
  - D. Navigate between pages
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