1. Introduction to Bootstrap

Direct MCQs:

1. Bootstrap is primarily used for:
   a) Database management
   b) Frontend web development
   c) Operating system design
   d) Server-side scripting
   Answer: b) Frontend web development

2. Which language/framework is Bootstrap built on?
   a) Java
   b) PHP
   c) CSS, JavaScript, and HTML
   d) Python
   Answer: c) CSS, JavaScript, and HTML

3. What is the latest stable major version of Bootstrap as of 2025?
   a) 3
   b) 4
   c) 5
   d) 6
   Answer: c) 5

Scenario-Based MCQs:
4. A developer wants to quickly create a responsive website layout without writing much CSS. Which Bootstrap feature is most useful?
a) Forms
b) Grid System
c) Buttons
d) Cards
Answer: b) Grid System

5. A team is creating a dashboard with ready-to-use components like navbars, modals, and buttons. Which framework should they choose?
   a) Bootstrap
   b) jQuery UI
   c) Materialize CSS
   d) Angular
   Answer: a) Bootstrap

2. Grid System

Direct MCQs:

1. Bootstrap grid system is based on how many columns?
   a) 6
   b) 8
   c) 12

d) 16
Answer: c) 12

2. Which class is used for creating a row in Bootstrap?
   a) `.grid`
   b) `.row`
   c) `.container`
   d) `.col`
   Answer: b) `.row`

3. What does `.col-md-6` mean in Bootstrap grid?
   a) Column spans 6 units on medium screens and above
   b) Column spans 6 units on all screens
   c) Column is hidden on medium screens
   d) Column spans 12 units on medium screens
   Answer: a) Column spans 6 units on medium screens and above

Scenario-Based MCQs:
4. A developer wants a layout where three equal-width columns appear on large screens but stack vertically on small devices. Which classes should they use?
a) `.col-lg-4 col-sm-12` for each column
b) `.col-4` for each column
c) `.col-md-3` for each column
d) `.col-lg-12 col-sm-4` for each column
Answer: a) `.col-lg-4 col-sm-12`

5. A designer wants a centered column that spans 6 units on medium screens and leaves equal space on sides. Which approach is correct?
   a) `<div class="col-md-6 mx-auto"></div>`
   b) `<div class="col-md-6 center"></div>`
   c) `<div class="col-md-12"></div>`
   d) `<div class="col-md-6 text-center"></div>`
   Answer: a) `<div class="col-md-6 mx-auto"></div>`

3. Typography

Direct MCQs:

1. Which Bootstrap class is used to make text bold?
   a) `.text-strong`
   b) `.fw-bold`
   c) `.font-bold`
   d) `.text-bold`
   Answer: b) `.fw-bold`

2. Which class changes text color to primary theme color?
   a) `.text-color`
   b) `.text-primary`

c) `.text-theme`
d) `.primary-text`
Answer: b) `.text-primary`

3. What does `.lead` class do in Bootstrap?
   a) Makes heading large
   b) Styles paragraph as a lead paragraph with slightly larger font
   c) Makes text italic
   d) Underlines text
   Answer: b) Styles paragraph as a lead paragraph with slightly larger font

Scenario-Based MCQs:
4. A developer wants all headings to appear uppercase in a hero section. Which Bootstrap class should they use?
a) `.text-uppercase`
b) `.text-capitalize`
c) `.text-bold`
d) `.fw-bold`
Answer: a) `.text-uppercase`

5. A designer wants muted text for secondary information on a card. Which class is most appropriate?
   a) `.text-muted`
   b) `.text-secondary`
   c) `.text-muted-info`
   d) `.text-gray`
   Answer: a) `.text-muted`

4. Navbars

Direct MCQs:

1. Which class is used to create a responsive navbar?
   a) `.navbar`
   b) `.nav`
   c) `.menu`
   d) `.nav-menu`
   Answer: a) `.navbar`

2. To make the navbar dark-themed, which class is used?
   a) `.navbar-dark`
   b) `.nav-dark`
   c) `.navbar-theme-dark`
   d) `.nav-dark-theme`
   Answer: a) `.navbar-dark`

3.   Which class ensures the navbar sticks to the top of the page?
     a) `.sticky-top`
     b) `.fixed-top`
     c) `.top-nav`
     d) `.nav-top`
     Answer: b) `.fixed-top`

Scenario-Based MCQs:

4. A developer wants a navbar that collapses into a hamburger menu on small screens. Which classes are essential?

a) `.navbar-expand-lg` with `.navbar-toggler`

b) `.nav-collapse`

c) `.navbar-collapse`

d) `.nav-small`

Answer: a) `.navbar-expand-lg` with `.navbar-toggler`

5.   A designer wants a light navbar with a brand logo aligned left and navigation links right. Which classes are appropriate?
     a) `.navbar-light`, `.justify-content-between`
     b) `.navbar-dark`, `.text-right`
     c) `.navbar-light`, `.text-left`
     d) `.navbar-primary`, `.align-right`
     Answer: a) `.navbar-light`, `.justify-content-between`

5. Button Enhancements

Direct MCQs:

1.   Which class is used for primary Bootstrap button?
     a) `.btn-main`
     b) `.btn-primary`
     c) `.button-primary`
     d) `.btn-main-primary`
     Answer: b) `.btn-primary`

2.   Which class makes a button larger in Bootstrap?
     a) `.btn-lg`
     b) `.btn-large`
     c) `.btn-big`
     d) `.btn-size-lg`
     Answer: a) `.btn-lg`

3.   How do you make a button disabled using Bootstrap?
     a) `.btn-disabled`
     b) `disabled` attribute or `.disabled` class
     c) `.btn-lock`

d) `.btn-inactive`

Answer: b) `disabled` attribute or `.disabled` class

Scenario-Based MCQs:

4. A designer wants a small, rounded, secondary button for a form. Which classes are correct?

a) `.btn btn-secondary btn-sm rounded`

b) `.btn btn-secondary btn-lg rounded`

c) `.btn btn-primary btn-sm`

d) `.btn btn-secondary btn-sm`

Answer: a) `.btn btn-secondary btn-sm rounded`

5. A developer wants a block-level button that spans full width. Which class should be used?

    a) `.btn-block`

    b) `.btn-fullwidth`

    c) `.w-100` with `.btn`

    d) `.btn-wide`

    Answer: c) `.w-100` with `.btn`