

Wd – Framework

Theory Assignment :

1. Why is responsive design important for WordPress websites?

Responsive design is important because:

- It makes the website work well on mobile, tablet, and desktop
- Improves user experience
- Helps with SEO (Google prefers mobile-friendly sites)
- Reduces bounce rate
- No need to create separate mobile websites

2. Difference between Bootstrap and Tailwind CSS

Bootstrap	Tailwind CSS
Component-based framework	Utility-first framework
Pre-designed components (buttons, cards, navbar)	No ready components
Faster for beginners	More flexible & customizable
Uses predefined classes	Uses utility classes like flex, p-4, text-center
Heavier file size	Lightweight when optimized

Bootstrap = quick & easy

Tailwind = more control & custom design

3. Process of integrating Bootstrap or Tailwind into a WordPress theme

Steps:

1. Download Bootstrap/Tailwind or use CDN
2. Add CSS & JS files using functions.php
3. Apply framework classes in theme files (header.php, index.php)
4. Test responsiveness on different devices

Practical Assignment

1.Responsive Header : Customize your wordpress theme's header to be responsive using either Bootstrap or Tailwind.

```
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
  <div class="container">

    <a class="navbar-brand" href="<?php echo home_url(); ?>">
      MyWebsite
    </a>

    <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
      data-bs-target="#navbarMenu">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarMenu">
```

```
<ul class="navbar-nav ms-auto">
    <li class="nav-item"><a class="nav-link" href="#">Home</a></li>
    <li class="nav-item"><a class="nav-link" href="#">About</a></li>
    <li class="nav-item"><a class="nav-link" href="#">Services</a></li>
    <li class="nav-item"><a class="nav-link" href="#">Contact</a></li>
</ul>
</div>

</div>
</nav>
```

2. Custom CSS : Create a responsive two-column layout on the homepage using either Bootstrap or Tailwind.

```
<div class="container mt-5">
    <div class="row">
        <div class="col-md-6">
            <h3>Left Column</h3>
            <p>
                This section contains content for the left side.
            </p>
        </div>
        <div class="col-md-6">
            <h3>Right Column</h3>
```

<p>

This section contains content for the right side.

</p>

</div>

</div>

</div>