**MODULE: 5 (JQuery Basic, Effects & Advance)**

Q1. What is JQuery?

Ans: jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers.

jQuery makes a web developer's life easy. It provides many built-in functions using which you can accomplish various tasks easily and quickly.

Q2. How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

Ans: 1) $(document).ready(function(){

$('p').css('color', 'red');

});

2) $(document).ready(function(){

$('p').addClass('my-class');

$('p').removeClass('my-class');

});

3) $(document).ready(function(){

$('button').click(function(){

$('div').animate({height: '500px', opacity: '0.5'}, 'slow');

});

});

Q3. How to create slider with animation?

Ans: HTML:

<div class="slider">

<div class="slide active">Slide 1</div>

<div class="slide">Slide 2</div>

<div class="slide">Slide 3</div>

</div>

CSS:

.slider {

width: 500px;

height: 300px;

overflow: hidden;

}

.slide {

width: 500px;

height: 300px;

position: absolute;

top: 0;

left: 0;

display: none;

}

.active {

display: block;

}

JavaScript:

$(document).ready(function(){

var currentSlide = 0;

var slideInterval = setInterval(nextSlide, 2000);

function nextSlide() {

$('.slide').eq(currentSlide).removeClass('active').fadeOut(1000);

currentSlide = (currentSlide + 1) % $('.slide').length;

$('.slide').eq(currentSlide).addClass('active').fadeIn(1000);

}

});