

**Sample Question Paper**  
**Program: Information Technology**  
**Curriculum Scheme: Rev2019**  
**Examination: TE Semester: V**

**Course Code: ITC501 and Course Name: Internet Programming**

**Time: 2 hour 30 minutes**

**Max. Marks: 80**

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	What is a Promise()?
Option A:	Tool for managing asynchronous control flow. A promise represents an operation expected to complete in the future.
Option B:	The opposite of Amateurmise().
Option C:	Something you say, when you want someone to believe you.
Option D:	tool to represent overall fuction synchronization
2.	Node.js terminal(REPL) is used for
Option A:	testing node.js application
Option B:	the preview of .js application
Option C:	execting browser's JS expession
Option D:	tesing node.js expession
3.	simple or complex functionality organized in a single or multiple javascript files which can use in entire node.js application
Option A:	library
Option B:	package
Option C:	module
Option D:	function
4.	Can you guess what the following code does? <code>let x=150; if (x&gt;100) {let x= 1; } console.log(x)</code>
Option A:	it functions like var
Option B:	always makes variables equal 150
Option C:	Introduces block scoping. Variables defined with let are available only in the nearest enclosing block.
Option D:	provides error
5.	what is the output of follwing function? <code>async function fetchText() { let response = await fetch('/readme.txt');console.log(response.statusText); if (response.status === 200) { let data = await response.text(); // handle data } } fetchText();</code>
Option A:	NO CONTENT
Option B:	CREATED
Option C:	ACCEPTED
Option D:	OK
6.	Which of the following function of String object returns the characters in a string between two indexes into the string?
Option A:	slice()
Option B:	split()
Option C:	substr()
Option D:	substring()
7.	What is the correct CSS syntax for making all the <p> elements bold?
Option A:	<code>p {font-weight:bold}</code>
Option B:	<code>&lt;p style="text-size:bold"&gt;</code>
Option C:	<code>p {text-size:bold}</code>
Option D:	<code>&lt;p style="font-size:bold"&gt;</code>

8.	Which is the correct CSS selector for following code <pre>&lt;input type="button" value="Button" /&gt; &lt;input type="submit" value="Submit button" /&gt; &lt;input type="checkbox" value="value" /&gt; &lt;input type="text" value="Bal bla" /&gt;</pre>
Option A:	Input[type=submit]{ ... }
Option B:	Input@submit{ ... }
Option C:	Input.submit{ ... }
Option D:	Input.type=submit{ ... }
9.	<pre>function* gen() {   yield; } // Calling the Generator Function var mygen = gen(); console.log(mygen.next().value);</pre>
Option A:	Null
Option B:	0
Option C:	1
Option D:	Undefined
10.	Rest is a new way for functions to handle an arbitrary number of parameters. Can you guess what the mysterious ""x"" variable holds? <pre>function mys(...params) { return params; } let x = mys(1,23,4);</pre>
Option A:	"x" is undefined
Option B:	"x" becomes [1,23,4]
Option C:	"x" becomes "1 23 4"
Option D:	"x" becomes 1 23 4

<b>Q2.</b> <b>(20 Marks)</b>	<b>Solve any Two Questions out of Three</b>	<b>10 marks each</b>
A	Write a JavaScript code to validate student registration form for the online course enrollment. Also design the form using HTML5 form elements.	
B	Explain iterators and generators in ES6 with example.	
C	Describe working of web server in detail.	

<b>Q3.</b> <b>(20 Marks)</b>	<b>Solve any Two Questions out of Three</b>	<b>10 marks each</b>
A	Explain MVC framework with respect to React JS.	
B	How the events are handle in React JS explain with example.	
C	Describe React FLUX application architecture.	

<b>Q4.</b> <b>(20 Marks)</b>	<b>Solve any Two Questions out of Three</b>	<b>10 marks each</b>
A	Explain callback concept with example in Node JS	
B	Write a code to display function of event emitter in Node JS	
C	Write note on express router.	

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