Seat No: _____   Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
B.Tech. Summer 2018 - 19 Examination

Semester: 6   Date: 04/05/2019
Subject Code: 03105353   Time: 10:30am to 1:00pm
Subject Name: Advanced Web Technology   Total Marks: 60

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Objective Type Questions.   (15)
1. Which is designed for storage that spans multiple windows and lasts beyond the current session?
   a) Session Storage
   b) Local Storage
   c) Both A & B
   d) None of the above
2. Which of the following default value for CSS background-clip property?
   a) Border Box
   b) Padding Box
   c) Content Box
   d) None of the above
3. To draw text on a canvas, which method is used.
   a) writeText(text)
   b) fillText(text,x,y)
   c) StrokeText(text,x,y)
   d) Both A & B
4. An XML component that defines the structure of a document is known as :
   a) DOCTYPE.
   b) DTD.
   c) #PCDATA
   d) XML Stylesheet.
5. In Which of the following JavaScript running in the background, without affecting the Performance of the page.
   a) Web Worker
   b) Canvas
   c) SVG
   d) None of the above
6. List out methods which used in javascript animation.
7. Write down the syntax for CSS text-shadow.
8. Which method is used to send the data from web worker to web page.
9. Write down CSS3 code to add a background color for all < h1> elements in Web page?
10. In HTML, you can embed SVG elements directly into an HTML page(True/False)?
11. _____Method is used to convert the JSON format into javascript object .
12. _____ keyword is used to declare variables in JavaScript.
13. _____ is the attribute used to enable the Client-side image map?
14. Write down the properties of CSS transformation.
15. Write down the output for the following :-
```
<script>
    function matchString() {
    var string = "Welcome to KEEKS for Keeks!";
    var result = string.match(/eek/i);
    document.write("Output : " + result);
    } matchString();
</script>
```

Q.2 Answer the following questions. (Attempt any three) **(15)**

    A) Discuss different design issues at the time of designing an effective website.

    B) Write a code to embed Multimedia in Webpage.

    C) Write well formed XML file to store student information.

    D) Explain CSS transitions and its properties with code.

Q.3 A) Design a login form using HTML & JavaScript with following validations on username and password fields. **(07)**

    1. Password length must be 6 to 12 characters

    2. Username should not start with _, @ or number.

    3. Both should not be blank.

    B) Explain Session & Cookie in PHP with proper example. **(08)**

<div align="center">OR</div>

    B) Write a PHP program to upload file. And also check file size should not greater than 30 KB **(08)**

Q.4 A) Write a web application code using PHP, HTML and MySql for Employees that stores employee's id, name, department, designation, etc. in database. Create proper GUI including buttons that run separate .php file for each database operation like insert, update, delete etc. **(07)**

<div align="center">OR</div>

    A) Write a PHP script to print following pattern. **(07)**

```
   1
    ab
  234
    Cdef
   56789
```

    B) Explain the following:- **(08)**

    1. Geolocation in HTML5 and Discuss the methods of geolocation.

    2. Linear and radial Gradient in CSS3.