

Subject: JavaScript Topics Coverage & Practice Assignment – 15-01-2026

You are assigned to cover and practice the following JavaScript topics today:

1. Forms & Validation

2. Timers

- `setTimeout()`
- `setInterval()`

3. JSON

- `JSON.stringify()`
- `JSON.parse()`

4. Error Handling

- `try, catch, finally`

5. ES6 Features

- Spread & Rest operators
- Default parameters
- Modules (`import, export`)

Practice Assignment

1. Forms & Validation

Create a simple HTML form with the following fields:

- Name (required)
- Email (must be a valid email format)
- Password (minimum 6 characters)

Validate the form using JavaScript and display appropriate error messages if validation fails.

2. Timers (`setTimeout, setInterval`)

- Use `setTimeout()` to display a message after 3 seconds
- Use `setInterval()` to print numbers from 1 to 5 every second, and stop the interval after 5

3. JSON (`stringify, parse`)

Given the object:

```
const user = { name: "John", age: 25, role: "Developer" };
```

Tasks:

- Convert the object into a JSON string
- Convert the JSON string back into a JavaScript object
- Print both the JSON string and the parsed object

4. Error Handling

Write a function that:

- Accepts a number as input
- Throws an error if the number is negative
- Uses `try`, `catch`, and `finally` to handle the error and log meaningful messages

5. ES6 Features

Write a program that demonstrates:

- Spread operator to copy an array
- Rest operator inside a function
- Default parameters in a function

Instructions

1. Study and understand all the above topics.
2. Solve the practice questions shared above.
3. Complete everything today itself.

By the end of the day, please report:

- Topics covered
- Practice questions attempted
- Any doubts or issues faced

This is mandatory for progress tracking.