

<b>Started on</b>	Tuesday, 27 May 2025, 12:23 PM
<b>State</b>	Finished
<b>Completed on</b>	Tuesday, 27 May 2025, 12:29 PM
<b>Time taken</b>	6 mins 12 secs
<b>Marks</b>	4.00/5.00
<b>Grade</b>	<b>80.00</b> out of 100.00

**Question 1**

Complete

Mark 0.00 out of 1.00

What will be the output of the following code?

```
console.log('start');

setTimeout(() => console.log('timeout 1'), 0);

Promise.resolve().then(() => {
  console.log('promise 1');
  setTimeout(() => console.log('timeout 2'), 0);
});

queueMicrotask(() => console.log('microtask'));

console.log('end');
```

Select one:

- ☐ a. start microtask end promise 1 timeout 1 timeout 2
- ☐ b. start end microtask promise 1 timeout 1 timeout 2
- ☐ c. start end timeout 1 promise 1 timeout 2 microtask
- ☒ d. start end promise 1 microtask timeout 1 timeout 2

**Question 2**

Complete

Mark 1.00 out of 1.00

What is logged to the console?

```
function counter() {  
  let count = 0;  
  return {  
    inc: () => ++count,  
    dec: () => --count  
  };  
}  
  
const a = counter();  
const b = counter();  
  
a.inc(); a.inc();  
b.inc();  
  
console.log(a.dec(), b.dec());
```

Select one:

- ☐ a. 2 0
- ☐ b. 1 1
- ☒ c. 1 0
- ☐ d. 2 1

**Question 3**

Complete

Mark 1.00 out of 1.00

What will be printed?

```
function A() {}  
A.prototype.value = 1;  
  
const a1 = new A();  
A.prototype = { value: 2 };  
  
const a2 = new A();  
  
console.log(a1.value, a2.value);
```

Select one:

- ☐ a. 1 1
- ☐ b. 2 2
- ☒ c. 1 2
- ☐ d. undefined 2

**Question 4**

Complete

Mark 1.00 out of 1.00

What will the following code print?

```
let obj = {
  valueOf() {
    return {};
  },
  toString() {
    return "5";
  }
};

console.log(obj == 5);
console.log(obj === 5);
```

Select one:

- ☐ a. true true
- ☒ b. true false
- ☐ c. false true
- ☐ d. false false

**Question 5**

Complete

Mark 1.00 out of 1.00

What is the output of this code?

```
async function* gen() {
  yield await Promise.resolve(1);
  yield 2;
}

(async () => {
  for await (const val of gen()) {
    console.log(val);
  }
})();
```

Select one:

- ☐ a. Promise { 1 } 2
- ☐ b. 1 undefined
- ☒ c. 1 2
- ☐ d. undefined 2