Options :

6406533039668. ✖ The program will always generate the output: `One Two Three Four Five`

6406533039669. ✖ The program will always generate the output: `One`

6406533039670. ✔ The output can be `One` or `One Two` or `One Two Three` or `One Two Three Four` or `One Two Three Four Five` and can also cycle back and start again.

6406533039671. ✔ The program may not generate any output.

AppDev2

Section Id :	64065364079
Section Number :	11
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	31
Number of Questions to be attempted :	31
Section Marks :	100
Display Number Panel :	Yes
Section Negative Marks :	0
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	No
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	640653133717
Question Shuffling Allowed :	No

Question Number : 227 Question Id : 640653902519 Question Type : MCQ Calculator : Yes Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : MODERN APPLICATION DEVELOPMENT II (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406533039680. ✔ YES

6406533039681. ✖ NO

Sub-Section Number : 2

Sub-Section Id : 640653133718

Question Shuffling Allowed : Yes

Question Number : 228 Question Id : 640653902520 Question Type : MCQ Calculator : Yes Correct Marks : 2

Question Label : Multiple Choice Question

What of the following is the primary objective of a CSRF token?

Options :

6406533039682. ✖ To encrypt the user's session

6406533039683. ✔ To validate that the request comes from the authenticated user

6406533039684. ✖ To store the user's password securely

6406533039685. ✖ To compress the HTTP request

Question Number : 229 Question Id : 640653902524 Question Type : MCQ Calculator : Yes Correct Marks : 2

Question Label : Multiple Choice Question

Suppose an application is being loaded from the origin https://example.com. Which of the following origins will the browser allow while making a fetch call, by default?

Options :

6406533039698. ✖ https://api.example.com

6406533039699. ✖ http://example.com/api

6406533039700. ✖ https://example.com:8080

6406533039701. ✔ https://example.com/subdir

Question Number : 230 Question Id : 640653902549 Question Type : MCQ Calculator : Yes Correct Marks : 2

Question Label : Multiple Choice Question

What is the correct sequence of steps to update the state in Vuex when handling an asynchronous operation?

Options :

6406533039790. ✖ State → Dispatch an action → Commit a mutation → State change

6406533039791. ✔ Dispatch an action → Commit a mutation → State change

6406533039792. ✖ Commit a mutation → Dispatch an action → State change

6406533039793. ✖ State change → Commit a mutation → Dispatch an action

Sub-Section Number : 3

Sub-Section Id : 640653133719

Question Shuffling Allowed : Yes

Question Number : 231 Question Id : 640653902522 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Suppose you are developing an application for millions of users that will perform intensive data analysis and return the results asynchronously. Arrange the following set of actions/operations to achieve an efficient and scalable design.

I) Save the result to a database
II) Invoke a callback URL
III) Queue the analysis job

Options :

6406533039690. ✖ II, I, III

6406533039691. ✔ III, I, II

6406533039692. ✖ III, II, I

6406533039693. ✖ I, II, III

Question Number : 232 Question Id : 640653902525 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Which of the following statements about Redis is true?

Options :

6406533039702. ✖ Redis is a relational database that uses SQL for querying data.

6406533039703. ✔ Redis is an in-memory data structure store, commonly used as a database, cache, and message broker.

6406533039704. ✖ Redis can only store string data types and does not support complex data structures like lists or sets.

6406533039705. ✖ Redis cannot handle numerous operations per second.

Question Number : 233 Question Id : 640653902526 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Which of the following scenarios is an example of a Cross-Site Request Forgery (CSRF) attack?

Options :

6406533039706. ✖ A user receives an email containing a link to a phishing site that asks for their login credentials.

6406533039707. ✔ A user clicks on a malicious link while logged into their bank account, and without their knowledge, a money transfer request is sent to the bank's server using the user's

authenticated session.

6406533039708. ✖ A hacker uses a brute-force attack to guess the password of a user's online account.

6406533039709. ✖ A user is tricked into downloading and installing malware that steals their sensitive information.

Question Number : 234 Question Id : 640653902528 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Match the following technologies with their typical use cases:

1. Webhooks	A. Real-time communication in chat applications
2. Web Sockets	B. Fetching data periodically from an API endpoint
3. API	C. Receiving notifications when a specific event occurs
4. Polling	D. Exchanging data between client and server using HTTP requests
5. Pub/Sub	E. Broadcasting messages to multiple subscribers simultaneously

Options :

6406533039714. ✔ 1 - C, 2 - A, 3 - D, 4 - B, 5 - E

6406533039715. ✖ 1 - D, 2 - E, 3 - A, 4 - C, 5 - B

6406533039716. ✖ 1 - C, 2 - C, 3 - E, 4 - A, 5 - D

6406533039717. ✖ 1 - D, 2 - A, 3 - C, 4 - D, 5 - B

Question Number : 235 Question Id : 640653902535 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Consider the below javascript program.

```
function parent() {
    var a = 1;
    function child() {
        console.log(a);
    }
    a = 2;
    return child;
}

var closure = parent();
closure();
```

What will be the output of the above program, if executed?

Options :

6406533039738. ✔ 2

6406533039739. ✖ 1

6406533039740. ✖ undefined

6406533039741. ✖ Error

Question Number : 236 Question Id : 640653902545 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following JavaScript code snippet.

```
// Code Snippet 1
sessionStorage.setItem('username', 'course_user');
let storedUsername = sessionStorage.getItem('username');

// Code Snippet 2
sessionStorage.removeItem('username');
let removedUsername = sessionStorage.getItem('username');

// Code Snippet 3
sessionStorage.clear();
let clearedStorage = sessionStorage.username;
```

What will be the values of 'storedUsername', 'removedUsername', and 'clearedStorage' after the execution of the above code snippets?

Options :

6406533039774. ✖ storedUsername: 'course_user', removedUsername: null, clearedStorage: null

6406533039775. ✖ storedUsername: 'course_user', removedUsername: undefined, clearedStorage: null

6406533039776. ✔ storedUsername: 'course_user', removedUsername: null, clearedStorage: undefined

6406533039777. ✖ storedUsername: 'course_user', removedUsername: undefined, clearedStorage: undefined

Question Number : 237 Question Id : 640653902548 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following javascript code

```
const obj = {
    num: 40,
    regularFunction: function() {
        return this.value;
    },
    arrowFunction: () => {
        return this.value;
    }
};

const regularResult = obj.regularFunction();
const arrowResult = obj.arrowFunction();
```

What are the values of `regularResult` and `arrowResult`?

Options :

6406533039786. ✖ regularResult = 40, arrowResult = 40

6406533039787. ✖ regularResult = undefined, arrowResult = undefined

6406533039788. ✔ regularResult = 40, arrowResult = undefined

6406533039789. ✖ regularResult = undefined, arrowResult = 40

Question Number : 238 Question Id : 640653902550 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Consider the below 2 approaches:

Approach 1:

```
<script>
    setInterval(() => document.title = "Title A", 2000)
    setInterval(() => document.title = "Title B", 1000)
</script>
```

Approach 2:

```
<script>
    setInterval(() => document.title = "Title A", 1000)
    setInterval(() => document.title = "Title B", 2000)
</script>
```

Choose the correct statement:

Options :

6406533039794. ✖ The approach 1 will toggle the page title between “Title A” and “Title B” after every 1 second (approx).

6406533039795. ✖ The approach 2 will toggle the page title between “Title A” and “Title B” after

every 1 second (approx).

6406533039796. ✔ None of the approaches will toggle the page title after every 1 second.

6406533039797. ✖ None of these

Question Number : 239 Question Id : 640653902552 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Consider the below JavaScript program.

```
<script>
    for (var i = 0; i <= 3; i++) {
        setTimeout(() => console.log(i), (i+1)*1500);
    }
</script>
```

What will be the output of the above program, if executed? Also, predict the minimum number of seconds the program will take to complete the execution?

Options :

0
1
2
3

6406533039802. ✖ Minimum time taken will be: 15 sec

1
2
3
4

6406533039803. ✖ Minimum time taken will be: 9 sec

3
3
3
3

6406533039804. ✖ Minimum time taken will be: 6 sec

6406533039805. ✔

4
4
4
4

Minimum time taken will be: 6 sec

Sub-Section Number : 4
Sub-Section Id : 640653133720
Question Shuffling Allowed : Yes

Question Number : 240 Question Id : 640653902521 Question Type : MSQ Calculator : Yes Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following statement(s) is/are true about webhooks?

Options :

6406533039686. ✔ Webhooks use HTTP requests to communicate events from one service to another.

6406533039687. ✖ Webhooks require the recipient service to periodically poll the sender for updates.

6406533039688. ✔ Webhooks are typically implemented using HTTP POST requests.

6406533039689. ✖ Webhooks guarantee that events will be delivered in order and exactly once.

Question Number : 241 Question Id : 640653902523 Question Type : MSQ Calculator : Yes Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following statement(s) is/are true regarding javascript?

Options :

6406533039694. ✔ Function declarations are hoisted along with their definitions.

6406533039695. ✖ Variable declarations with var are hoisted with their initializations.

6406533039696. ✔ let and const declarations are hoisted to the top of their block but remain uninitialized until execution reaches the declaration.

6406533039697. ✖ Only function declarations are hoisted, not function definition.

Question Number : 242 Question Id : 640653902527 Question Type : MSQ Calculator : Yes Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following scenarios are best suited for using Celery tasks?

Options :

6406533039710. ✖ Handling real-time user interactions on a website.

6406533039711. ✔ Sending out periodic email notifications to users.

6406533039712. ✖ Generating and displaying dynamic content on a web page.

6406533039713. ✔ Performing long-running data processing tasks in the background.

Question Number : 243 Question Id : 640653902546 Question Type : MSQ Calculator : Yes Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following statements is/are true regarding webhooks and server sent events (SSE)?

Options :

6406533039778. ✔ Webhooks are typically used for server-to-server communication, while SSE is used for server-to-client communication.

6406533039779. ✖ Webhooks require the client to maintain an open connection to receive updates, while SSE does not.

6406533039780. ✔ Webhooks are initiated by the server, while SSE connections are initiated by the client.

6406533039781. ✖ SSE supports bidirectional communication, whereas webhooks do not.

Question Number : 244 Question Id : 640653902551 Question Type : MSQ Calculator : Yes Correct Marks : 3 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following is/are the correct ways to achieve the following.

1. Always apply class named “errorClass”,
2. The class named “activeClass” should only be applied when the Vue data variable “isActive” is truthy

Options :

6406533039798. ✔ `<div :class="[isActive ? 'activeClass' : ' ', 'errorClass']"></div>`

6406533039799. ✖ `<div :class="[{ isActive : 'activeClass' }, 'errorClass']"></div>`

6406533039800. ✖ `<div :class="[activeClass ? isActive : ' ', 'errorClass']"></div>`

6406533039801. ✔ `<div :class="[{ 'activeClass' : isActive }, 'errorClass']"></div>`

Sub-Section Number :	5
Sub-Section Id :	640653133721
Question Shuffling Allowed :	Yes

Question Number : 245 Question Id : 640653902529 Question Type : MSQ Calculator : Yes Correct Marks : 2 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following is/are true about Server-Sent Events (SSE)?

Options :

6406533039718. ✔ SSE connections are established using HTTP.

6406533039719. ✖ SSE supports bidirectional communication between client and server.

6406533039720. ✖ SSE automatically switches to web socket if the connection is successful.

6406533039721. ✔ SSE is suitable for sending updates to multiple clients simultaneously.

Question Number : 246 Question Id : 640653902544 Question Type : MSQ Calculator : Yes
Correct Marks : 2 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following HTTP header(s) can be used to control caching behavior in web applications?

Options :

6406533039770. ✔ Cache-Control

6406533039771. ✔ Expires

6406533039772. ✖ Bearer

6406533039773. ✖ Content-Type

Question Number : 247 Question Id : 640653902553 Question Type : MSQ Calculator : Yes
Correct Marks : 2 Max. Selectable Options : 0

Question Label : Multiple Select Question

Which of the following statement(s) is/are true regarding long and short polling?

Options :

6406533039806. ✖ A webhook is the same as short polling.

6406533039807. ✔ The short polling can be used to know the state of an asynchronous task, and trigger an action if the task gets completed.

6406533039808. ✖ The long polling cannot be achieved using HTTP protocol.

6406533039809. ✔ Long Polling can be used to achieve real time communication.

Sub-Section Number :	6
Sub-Section Id :	640653133722
Question Shuffling Allowed :	Yes

Question Number : 248 Question Id : 640653902530 Question Type : MCQ Calculator : Yes
Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the following Vue.js 2 component using CDN.

```
<div id="app">
    <input v-model="newItem" placeholder="Add an item" />
    <button @click="addItem">Add</button>

    <ul>
        <li v-for="(item, index) in items" :key="index">
            {{ index + 1 }}. {{ item }}
        </li>
    </ul>
</div>

<script src="https://cdn.jsdelivr.net/npm/vue@2"></script>
<script>
    new Vue({
        el: '#app',
        data: {
            newItem: '',
            items: ['Apple', 'Banana']
        },
        methods: {
            addItem() {
                if (this.newItem) {
                    this.items.push(this.newItem, this.newItem);
                    this.newItem = '';
                }
            }
        }
    });
</script>
```

After entering "Orange" in the input box and clicking the "Add" button, what will be seen in the browser?

Options :

6406533039722. ✔ 1. Apple
2. Banana
3. Orange
4. Orange

6406533039723. ✖ 1. Apple
2. Banana
3. Orange

6406533039724. ✖ 1. Apple
2. Banana
3. Orange
3. Orange

6406533039725. ✖ 1. Apple
2. Banana

Question Number : 249 Question Id : 640653902531 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the following javascript code running on browser

```
localStorage.setItem('counter', '0');
sessionStorage.setItem('total', '5');

for (let i = 0; i < 3; i++) {
    let counter = localStorage.getItem('counter');
    let total = sessionStorage.getItem('total');

    counter += 2;
    total *= 2;

    localStorage.setItem('counter', counter);
    sessionStorage.setItem('total', total);
}

sessionStorage.clear();


console.log(localStorage.getItem('counter'));
console.log(sessionStorage.getItem('total'));
```

What will be the output in the browser console?

Options :

6406533039726. ✖ 6
40

6406533039727. ✖ null
40

6406533039728. ✖ 6
null

6406533039729. ✔ 0222
null

Question Number : 250 Question Id : 640653902536 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the below JavaScript program.

```
class Animal {
    constructor(name) {
        this.name = name;
    }

    speak() {
        console.log(`${this.name} makes a noise.`);
    }
}

class Dog extends Animal {
    speak() {
        console.log(`${this.name} barks`);
    }
}

const d = new Dog('Rex');
d.speak();
console.log(d.__proto__ === Dog.prototype);
console.log(d.__proto__.__proto__ === Animal.prototype);
```

What will be the output of the above program?

Options :

6406533039742. ✔ Rex barks
true
true

6406533039743. ✖ Rex barks
false
true

6406533039744. ✖ Rex barks.
true
false

6406533039745. ✖ Rex barks.
false
false

Question Number : 251 Question Id : 640653902537 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the below flask application.

```python
from flask import Flask
from flask_caching import Cache
from time import sleep

config = {
    "CACHE_TYPE": "SimpleCache",
    "CACHE_DEFAULT_TIMEOUT": 180
}

app = Flask(__name__)
app.config.from_mapping(config)
cache = Cache(app)

@cache.memoize(timeout=180)
def get_data(param):
    sleep(5)
    return f"Data for {param}"

@app.route('/data/<param>')
def data(param):
    result = get_data(param)
    return f"Result: {result}"

if __name__ == '__main__':
    app.run(debug=True)
```

If the application is running on “http://127.0.0.1:5000” and the user visits the URL “http://127.0.0.1:5000/data/test” three times in the following sequence:

1. First visit
2. Second visit after 2 minutes and 30 seconds
3. Third visit after 1 minute from the second visit

What will be the approximate difference in response times between the first and third requests?

Options :

6406533039746. ✖ 5 seconds

6406533039747. ✔ 0 seconds

6406533039748. ✖ 10 seconds

6406533039749. ✖ 180 seconds

Question Number : 252 Question Id : 640653902538 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the below JavaScript program.

```
new Promise((resolve, reject) => {
    const num = 0.6;
    if (num > 0.5) {
        resolve(num);
    } else {
        reject(num);
    }
})
.then(data => {
    console.log("Step 1:", data);
    if (data > 0.75) {
        return data * 2;
    } else {
        return Promise.reject(new Error("Less than 0.75"));
    }
})
.then(data => {
    console.log("Step 2:", data);
    return data + 5;
})
.catch(error => {
    console.log("Step 3:", error.message);
    if (error.message === "Less than 0.75") {
        return 1;
    } else {
        throw error;
    }
})
.then(data => {
    console.log("Step 4:", data);
    if (data === 1) {
        throw new Error("Fallback value");
    } else {
        return data * 3;
    }
})
.catch(error => {
    console.log("Step 5:", error.message);
    return "Error handled";

})
.finally(() => {
    console.log("Step 6: Finally block executed");
})
```

What will be the output of the above program?

Options :

6406533039750. ✖ Step 1: 0.6
Step 2: 1.2
Step 4: 6.2
Step 6: Finally block executed

6406533039751. ✔ Step 1: 0.6
Step 3: Less than 0.75
Step 4: 1
Step 5: Fallback value
Step 6: Finally block executed

6406533039752. ✖ Step 1: 0.6
Step 2: 1.2
Step 3: Error
Step 4: 1
Step 5: Fallback value
Step 6: Finally block executed

6406533039753. ✖ Step 1: 0.6
Step 3: Less than 0.75
Step 4: 1
Step 6: Finally block executed

Question Number : 253 Question Id : 640653902539 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

In a Vue CLI project with Vuex, you have the following configuration:

src/store/index.js:

```
import Vue from 'vue';
import Vuex from 'vuex';

Vue.use(Vuex);

export default new Vuex.Store({
  state: {
    value: " ",
  },
  mutations: {
    setValue(state, payload) {
      state.value = payload;
    }
  },
  actions: {
    async fetchValue({ commit }) {
      // Simulate async API call
      const response = await new Promise(resolve => setTimeout(() =>
resolve('API Value'), 500));
      commit('setValue', response);
    }
  }
});
```

src/App.vue:

```
<template>
  <div>
    <p>{{ value }}</p>
    <button @click="updateValue">Update Value</button>
  </div>
</template>

<script>
export default {
  computed: {
    value() {
      return this.$store.state.value;
    }
  },
  methods: {
    async updateValue() {
      await this.$store.dispatch('fetchValue');
    }
  }
}
</script>
```

After running “npm run serve”, if you click the "Update Value" button, what will be displayed in the <p> tag?

Options :

6406533039754. ✔ API Value

6406533039755. ✖ " "

6406533039756. ✖ undefined

6406533039757. ✖ null

Question Number : 254 Question Id : 640653902540 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the below JavaScript code.

```
async function newFetch(url) {
  try {
    console.log(url)
    const res = await fetch(url)
    if (!res.ok) {
      throw new Error(`HTTP Error: ${res.status}`)
    }
    try {
      const data = await res.json()
      console.log(data)
    } catch {
      throw new Error('Error')
    }
  } catch {
    throw new Error('Data is not JSON serializable')
  }
}
newFetch('https://example.com/api/users/23').catch((err) => {
  console.error(err)
})
```

Suppose the API URL "https://example.com/api/users/23" returns a valid HTML output. What will be logged on to console?

Options :

6406533039758. ✖ "Network Error"

6406533039759. ✖ "HTTP Error: 404"

6406533039760. ✔ "Data is not JSON serializable"

6406533039761. ✖ Data returned by the API

Question Number : 255 Question Id : 640653902547 Question Type : MCQ Calculator : Yes Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the following Flask application with Redis caching. Redis is running normally on port 6379.

```
from flask import Flask, jsonify
from flask_caching import Cache

app = Flask(__name__)
app.config['CACHE_TYPE'] = 'redis'
app.config['CACHE_REDIS_HOST'] = 'localhost'
app.config['CACHE_REDIS_PORT'] = 6379
cache = Cache(app)

def compute_value(x, y):
    result = x * y
    return result

@app.route('/compute/<int:x>/<int:y>')
@cache.cached(timeout=60, key_prefix='compute')
def compute(x,y):
    result = compute_value(x, y)
    return jsonify({'result': result})

if __name__ == '__main__':
    app.run(debug=True, port=5000)
```

Two requests are given to localhost:5000/compute/10/20 and localhost:5000/compute/5/10 within 60 seconds. What would be the json response from the server respectively?

Options :

6406533039782. ✖ {“result” : 200} and {“result”: 50}

6406533039783. ✖ {“result” : 50} and {“result”: 200}

6406533039784. ✖ {“result”: 100} and {“result” : 100}

6406533039785. ✔ {“result”: 200} and {“result”: 200}

Sub-Section Number : 7

Sub-Section Id : 640653133723

Question Shuffling Allowed : No

Question Id : 640653902532 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None

Question Numbers : (256 to 257)

Question Label : Comprehension

Consider the following flask/python code snippets and answer the given subquestions

Note : The `yield` keyword makes a function return one value at a time, saving its place so it can continue from where it left off.

`requests.get()` makes a http GET request to a given url, like fetch in JavaScript.

Options:

A.

```
import requests

response = requests.get('https://some-api')
print(response.json())
```

B.

```
from flask import Flask, request

app = Flask(__name__)

@app.route('/server-route, methods=['POST'])
def server_route():
    data = request.json
    print(data)
    return 'OK', 200
```

C.

```
from flask import Flask, Response
import time

app = Flask(__name__)

def stream():
    while True:
        time.sleep(5)
        yield f'data: The time is {time.strftime("%Y-%m-%d %H:%M:%S")}\n\n'

@app.route('/server-route')
def server_route():
    return Response(stream(), mimetype='text/event-stream')

if __name__ == '__main__':
    app.run(debug=True, port=5000)
```

D.

```
import time
import requests

while True:
    response = requests.get('https://some-endpoint')
    print(response.json())
    time.sleep(10)
```

Based on the above data, answer the given subquestions.

Sub questions

Question Number : 256 Question Id : 640653902533 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Which code snippet represents a **Webhook receiver** implementation?

Options :

6406533039730. ✖ A

6406533039731. ✔ B

6406533039732. ✖ C

6406533039733. ✖ D

Question Number : 257 Question Id : 640653902534 Question Type : MCQ Calculator : Yes Correct Marks : 2

Question Label : Multiple Choice Question

Which code snippet represents a **Pub/Sub** implementation?

Options :

6406533039734. ✖ A

6406533039735. ✖ B

6406533039736. ✔ C

6406533039737. ✖ D

Question Id : 640653902541 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None

Question Numbers : (258 to 259)

Question Label : Comprehension

Consider the following HTML document and the script file shown below. Assuming the CDNs for Vue2 and VueRouter are correctly configured, answer the given subquestions

Filename: index.html

```
<div id="app">
        <router-view></router-view>
</div>
<script src="script.js"></script>
```

Filename: script.js

```
const Error = {template: `<div>Page Not Found</div>`}
const Profile = {
    template: `<div>
                <div v-if='user'>
                    Name: {{user.name}}, State: {{user.state}}
                </div>
                <div v-else>
                    Unknown User
                </div>
            </div>`,
    data() {
        return {
            profiles: [
                { id: '1234', name: 'Animesh', state: 'MP' },
                { id: '1235', name: 'Arnav', state: 'Goa' },
            ],
        }
    },
    computed: {
        user(){
            let user = this.profiles.find((profile) => {
            return profile.id == this.$route.params.id
            })
            return user
        },
```

```
    computed: {
        user(){
            let user = this.profiles.find((profile) => {
            return profile.id == this.$route.params.id
            })
            return user
        },
    },
}
```

```
const routes = [
  { path: '/profile/:id', component: Profile },
  { path: '*', component: Error },
]

const router = new VueRouter({
  routes,
})

new Vue({
  el: '#app',
  router,
})
```

Sub questions

Question Number : 258 Question Id : 640653902542 Question Type : MCQ Calculator : Yes Correct Marks : 3

Question Label : Multiple Choice Question

Suppose the application is running on port 8080.

What will be rendered inside router-view for the URL

"http://127.0.0.1:8080/#/profile/1235"?

Options :

6406533039762. ✖ Page Not Found

6406533039763. ✖ Unknown User

6406533039764. ✖ Name: Animesh, State: MP

6406533039765. ✔ Name: Arnav, State: Goa

Question Number : 259 Question Id : 640653902543 Question Type : MCQ Calculator : Yes Correct Marks : 2

Question Label : Multiple Choice Question

Suppose the application is running on port 8080. What will be rendered inside router-view for the URL "http://127.0.0.1:8080/#/profile/Arnav"?

Options :

6406533039766. ✖ Page Not Found

6406533039767. ✖ Name: Animesh, State: MP

6406533039768. ✖ Name: Arnav, State: Goa

6406533039769. ✔ Unknown User

MLT

Section Id :	64065364080
Section Number :	12
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	18
Number of Questions to be attempted :	18
Section Marks :	50
Display Number Panel :	Yes
Section Negative Marks :	0
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	No
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	640653133724
Question Shuffling Allowed :	No

Question Number : 260 Question Id : 640653902554 Question Type : MCQ Calculator : Yes Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : MACHINE LEARNING TECHNIQUES (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :