

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

36

AppDev1

Section Id :	64065333934
Section Number :	6
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	17
Number of Questions to be attempted :	17
Section Marks :	50
Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065373936
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 82 Question Id : 640653521071 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0
Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : MODERN APPLICATION

DEVELOPMENT 1"

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 :

6406531736779. ✓ YES

6406531736780. ✗ NO

Sub-Section Number : 2

Sub-Section Id : 64065373937

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 83 Question Id : 640653521072 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

The ability of an application to work with different input modalities beyond keyboard highlights which of the following accessibility principle?

Options :

6406531736781. ✗ Perceivable

6406531736782. ✓ Operable

6406531736783. ✗ Understandable

6406531736784. ✗ Robust

Question Number : 84 Question Id : 640653521078 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Which of the following is true about the term “stateless” in the client-server model?

Options :

6406531736805. ✖ The server responds to the client based on the previous state.

6406531736806. ✔ Server is not required to maintain any state of client or session during transactions between client and server.

6406531736807. ✖ The server uses FTP protocol to respond to the client's request.

6406531736808. ✖ Server use the URL to convey information to the client.

Question Number : 85 Question Id : 640653521084 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Which of the following encoding techniques occupies the most space to store 1500 lines with approximately 3000 alphanumeric characters (including space)?

Options :

6406531736829. ✔ UCS-4

6406531736830. ✖ UCS-2

6406531736831. ✖ ASCII

6406531736832. ✖ Original 7 bit ASCII

Sub-Section Number : 3

Sub-Section Id : 64065373938

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 86 Question Id : 640653521080 Question Type : MSQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Which of the following is true about Asynchronous Updates?

Options :

6406531736813. ✔ It is first necessary to load the main page, then load the additional data in the background.

6406531736814. ✖ In every request, load the entire web page.

6406531736815. ✔ User experience is improved due to quick response.

6406531736816. ✖ As a result of asynchronous updates, server load has increased.

Sub-Section Number : 4

Sub-Section Id : 64065373939

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 87 Question Id : 640653521073 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Which of the following flask view functions will return a 404 error for the URL:

`http://127.0.0.1:5000/details/1001/Michael ?`

Options :

```
@app.route('/details/<int:id>/<string:name>')
def show(id, name):
    details = {'student_id': id, 'student_name': name}
    return details
```

6406531736785. ✖

```
@app.route('/details/<string:id>/<string:name>')
def show(id, name):
    details = {'student_id': id, 'student_name': name}
    return details
```

6406531736786. ✖

```
@app.route('/details/<id>/<name>')
def show(id, name):
    details = {'student_id': id, 'student_name': name}
    return details
```

6406531736787. ✖

6406531736788. ✔ None of these.

Question Number : 88 Question Id : 640653521074 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following view function.

```
@app.route('/weather', methods = ['GET', 'POST'])
def show_weather():
    val = request.args
    details = {
        'City': val['city'],
        'State': val['state'],
        'Temperature(F)': val['temp']
    }
    return details
```

If this flask app is running locally on <http://127.0.0.1:5000>, which of the following URLs will be handled by the controller correctly and return the weather details for a particular city?

Options :

<http://127.0.0.1:5000/weather/Denver/Colorado/29>

6406531736789. ✖

<http://127.0.0.1:5000/Denver/Colorado/29>

6406531736790. ✖

```
http://127.0.0.1:5000?endpoint=weather&city=Denver&state=Colorado
&temp=29
```

6406531736791. ✖

```
http://127.0.0.1:5000/weather?city=Denver&state=Colorado&temp=29
```

6406531736792. ✔

Question Number : 89 Question Id : 640653521076 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider a time function A such that, $T_A(N) = \left(\frac{k}{l}\right)^N$ where, k and l are parameters and $k \propto l$. Then what will the time complexity of the time function A if N is the number of inputs?

Options :

6406531736797. ✖ Quadratic

6406531736798. ✖ Logarithmic

6406531736799. ✔ Exponential

6406531736800. ✖ Linear

Question Number : 90 Question Id : 640653521081 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following Users table.

Users

Email	Password
1@abc.com	P1Wd
2@abc.com	P2Wd
3@abc.com	P3Wd

Which of the following syntax is correct for creating a unique index in the Users table using Email column called email_index?

Options :

6406531736817. ✖ `CREATE UNIQUE INDEX AS email_index Users(Email);`

6406531736818. ✔ `CREATE UNIQUE INDEX email_index ON Users(Email);`

6406531736819. ✖ `CREATE email_index ON Users(Email) CONSTRAINTS UNIQUE INDEX;`

6406531736820. ✖ `CREATE UNIQUE INDEX email_index ON Email(Users);`

Question Number : 91 Question Id : 640653521083 Question Type : MCQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following two statements:

Statement 1: A process of authentication involves verifying the identity of someone or something.

Statement 2: To control access to systems or data, the authorization process is used.

Options :

6406531736825. ✖ Statement 1 is correct and statement 2 is incorrect.

6406531736826. ✖ Statement 1 is incorrect and statement 2 is correct.

6406531736827. ✔ Both statement 1 and statement 2 are correct.

6406531736828. ✖ Both statement 1 and statement 2 are incorrect.

Question Number : 92 Question Id : 640653521085 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

What will be the output of the following Python program on the terminal.

```
from jinja2 import Template

template = """{% for s in students %}
    student_name:{{s.name}}
    student_mark1:{{s.m1}}
    student_mark2:{{s.m2}}
{% endfor %}
"""

stud = Template(template)

s1=[ {"name": "venu", "m1":76, "m2":88},{ "name":"renu", "m2":92},
      {"name":"seenu", "m1":44},{ "name":"ragu"} ]

print(stud.render(students=s1))
```

Options :

```
student_name:venu
student_mark1:76
student_mark2:88
```

6406531736833. ✖

```
student_name:venu
student_mark1:76
student_mark2:88

student_name:renu
student_mark2:92

student_name:seenu
student_mark1:44
student_name:ragu
```

6406531736834. ✖


```
name:venu  
m1:76  
m2:88
```

```
name:renu  
m2:92
```

```
name:seenu  
m1:44
```

```
name:ragu
```

6406531736835. ✖

```
student_name:venu  
student_mark1:76  
student_mark2:88
```

```
student_name:renu  
student_mark1:  
student_mark2:92
```

```
student_name:seenu  
student_mark1:44  
student_mark2:
```

```
student_name:ragu  
student_mark1:  
student_mark2:
```

6406531736836. ✔

Sub-Section Number :	5
Sub-Section Id :	64065373940
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 93 Question Id : 640653521082 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3 Selectable Option : 0

Question Label : Multiple Select Question

Consider the following flask application:

```
from flask import Flask, request
app = Flask(__name__)

@app.route('/get_value')
def get_value():
    val1 = request.args.get("val1")
    return "The value is " + val1

if __name__ == '__main__':
    app.run(host= '127.0.0.1', port = 5000, debug = True)
```

Which of the following route(s) will return **The value is 10** in the browser?

Options :

6406531736821. ✖ <http://127.0.0.1:5000?val1=10>

6406531736822. ✖ http://127.0.0.1:5000/get_value?10

6406531736823. ✔ http://127.0.0.1:5000/get_value?val1=10

6406531736824. ✔ http://127.0.0.1:5000/get_value?val1=10&val2=10

Question Number : 94 Question Id : 640653521086 Question Type : MSQ Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3 Selectable Option : 0

Question Label : Multiple Select Question

Consider the following code.

```

from flask import Flask
from flask_restful import Resource, Api

app = Flask(__name__)
api = Api(app)

Size_list = {1: "Nano", 2: "Macro", 3: "Micro"}

class size_list(Resource):
    def get(self):
        return size_list

class size(Resource):
    def get(self, f_id):
        return size_list[f_id]

api.add_resource(size_list, '/')
api.add_resource(size, '/<int:f_id>')

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

```

If this flask application is running locally on “http://127.0.0.1:5000”, then which of the following statements is/are true about the code snippet given above?

Options :

6406531736837. ✖ On the URL, “http://127.0.0.1:5000/”, the browser will show ‘page not found’ error.

6406531736838. ✔ On the URL, “http://127.0.0.1:5000/”, the browser will render. { "1": "Nano", "2": "Macro", "3": "Micro" }

6406531736839. ✖ On the URL, “http://127.0.0.1:5000/3”, the browser will render "Macro"

6406531736840. ✔ On the URL, “http://127.0.0.1:5000/2”, the browser will render "Macro"

Sub-Section Number :

6

Sub-Section Id :

64065373941

Question Shuffling Allowed :

Yes

Is Section Default? :

null

Question Number : 95 Question Id : 640653521075 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4.5

Question Label : Multiple Choice Question

Which of the following is a valid JSON?

Options :

```
{
  "name": "Harvard",
  "brands": ("Rolex", "Porsche"),
  "max":42
}
```

6406531736793. ✖

```
{
  "Cities":["Mumbai", "Chennai"],
  "stable": True,
  "Objects":{"beverage":"Tea","drinks":"Soft drinks"}
}
```

6406531736794. ✖

```
{
  "Type": "Invitro",
  "Success_rate": "31.56",
  "Metal": "Aluminium"
}
```

6406531736795. ✔

```
{
  "Cars": ["Audi X8", "Volvo S60", "Jeep"],
  "failures": None,
  "imported": true,
}
```

6406531736796. ✖

Question Number : 96 Question Id : 640653521077 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4.5

Question Label : Multiple Choice Question

The lens of an HDD can read data on the rotating disk with the speed of 48,000 bits per second. The disk is designed such that 800 bits pass under the lens for every revolution of the disk, what should be the maximum speed of disk so that the lens does not miss any data?

Options :

6406531736801. ✖ 60 RPM

6406531736802. ✖ 100 RPM

6406531736803. ✔ 3600 RPM

6406531736804. ✖ 6000 RPM

Question Number : 97 Question Id : 640653521079 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the following python file app.py:

```

from flask import Flask, jsonify, request
from flask_restful import Resource, Api

app = Flask(__name__)
api = Api(app)

class Hi(Resource):
    def get(self):
        return jsonify({'message': 'Say, Hi'})

    def post(self, name):
        message = 'Say, Hi ' + name
        return jsonify({'message': message})

class Bye(Resource):
    def get(self):
        return jsonify({'message': 'Say, Bye'})

    def post(self, name):
        message = 'Say, Bye ' + name
        return jsonify({'message': message})

api.add_resource(Hi, '/', '<string:name>')
api.add_resource(Bye, '/bye/', '/bye/<string:name>')

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

```

Assuming app.py is running locally, what will be the output if the command:

```
curl http://127.0.0.1:5000/ -H "Content-type:application/json" -X GET
```

Is run on a new terminal?

Options :

```

{
  "message": "Say, Hi"
}

```

6406531736809. ✓

```

{
  "message": "Say, Hi Leo"
}

```

6406531736810. ✖


```
{  
    "message": "Say, Bye"  
}
```

6406531736811. ✖

```
{  
    "message": "Say, Bye Leo"  
}
```

6406531736812. ✖

Question Number : 98 Question Id : 640653521087 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 4.5

Question Label : Multiple Choice Question

Consider the table "stud" given below. The model class "Student" corresponds to table "stud" in the SQLite database.

ID	First_name	Last_name	Email
1	Ram	Kumar	kumar@gmail.com
2	Raj	Kumar	raj@gmail.com
3	Ravi	Kumar	ravi@gmail.com
4	Anil		anil@gmail.com
5	Bala	vignesh	bala@gmail.com
6	Raj	madhan	madhan@gmail.com

What will be the output of the flask_sqlalchemy command given below?

```
>>> user1= Student.query.filter_by(First_name="Raj").first()  
>>> user1.First_name= "Ragu"  
>>> db.session.commit()  
>>> s1 = Student.query.all()  
>>> for stud in s1:  
    print(stud.First_name)
```

Options :

6406531736841. ✖

Ram
Raj
Ravi
Anil
Bala
Raj

Ram
Ragu
Ravi
Anil
Bala
Ragu

6406531736842. ✖

Ram
Ragu
Ravi
Anil
Bala
Raj

6406531736843. ✔

Ragu
Raj

6406531736844. ✖

MLF

Section Id :	64065333935
Section Number :	7
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	16
Number of Questions to be attempted :	16