

National Testing Agency

Question Paper Name :	Problem solving Aspects and Python Programming 28th August 2021 Shift 2
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Problem solving Aspects and Python Programming

Group Number :	1
Group Id :	94091865
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

Problem solving Aspects and Python Programming-1

Section Id :	940918101
Section Number :	1
Section type :	Online

Mandatory or Optional :	Mandatory
Number of Questions :	100
Number of Questions to be attempted :	100
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	940918144
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 9409184168 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which generation of computers use Integrated Circuits?

1. First generation
2. Second generation
3. Third generation
4. Fourth generation

Options :

94091815365. 1

94091815366. 2

94091815367. 3

94091815368. 4

Question Number : 2 Question Id : 9409184169 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A byte consists of

1. One bit
2. Four bits
3. Eight bits
4. Sixteen bits

Options :

94091815369. 1

94091815370. 2

94091815371. 3

94091815372. 4

Question Number : 3 Question Id : 9409184170 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Computer's storage location is identified by

1. A byte
2. A record
3. An Address
4. Ascii

Options :

94091815373. 1

94091815374. 2

94091815375. 3

94091815376. 4

Question Number : 4 Question Id : 9409184171 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The characteristics of computer that performs multiple tasks is known as

1. Diligence
2. Versatility
3. Reliability
4. Scalability

Options :

94091815377. 1

94091815378. 2

94091815379. 3

94091815380. 4

Question Number : 5 Question Id : 9409184172 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Set of instructions given to the computer is known as

1. Program
2. Application
3. Command
4. Software

Options :

94091815381. 1

94091815382. 2

94091815383. 3

94091815384. 4

Question Number : 6 Question Id : 9409184173 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Device used to read the code printed on product is called

1. Laser light
2. Spy cam
3. Bar code reader
4. Printer

Options :

94091815385. 1

94091815386. 2

94091815387. 3

94091815388. 4

Question Number : 7 Question Id : 9409184174 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A computer that operates on digital data is known as

1. Remote
2. Hybrid
3. Analog
4. Digital

Options :

94091815389. 1

94091815390. 2

94091815391. 3

94091815392. 4

Question Number : 8 Question Id : 9409184175 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A device that converts text into speech is known as

1. Voice System
2. Speech Synthesizer
3. Compact Converter
4. Speech Sensor

Options :

94091815393. 1

94091815394. 2

94091815395. 3

94091815396. 4

Question Number : 9 Question Id : 9409184176 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The small extremely fast RAMs are known as

1. Cache
2. Heap
3. Accumulator
4. Stack

Options :

94091815397. 1

94091815398. 2

94091815399. 3

94091815400. 4

Question Number : 10 Question Id : 9409184177 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The registers, ALU and the interconnection between them are collectively called as

1. Information trail
2. Data path
3. Information path
4. Control path

Options :

94091815401. 1

94091815402. 2

94091815403. 3

94091815404. 4

Question Number : 11 Question Id : 9409184178 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which type of memory has highest storage capacity?

1. Registers
2. Magnetic disks
3. SRAM
4. DRAM

Options :

94091815405. 1

94091815406. 2

94091815407. 3

94091815408. 4

Question Number : 12 Question Id : 9409184179 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following memory is volatile?

1. RAM
2. ROM
3. EPROM
4. PROM

Options :

94091815409. 1

94091815410. 2

94091815411. 3

94091815412. 4

Question Number : 13 Question Id : 9409184180 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The unit performs arithmetic logic operations on data values stored in registers is called

1. Control Unit
2. ALU
3. Register
4. Microprocessor

Options :

94091815413. 1

94091815414. 2

94091815415. 3

94091815416. 4

Question Number : 14 Question Id : 9409184181 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The I/O Devices are also known as

1. Framework
2. Peripheral
3. Software
4. Firmware

Options :

94091815417. 1

94091815418. 2

94091815419. 3

94091815420. 4

Question Number : 15 Question Id : 9409184182 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not an I/O Device?

1. Mouse
2. Keyboard
3. CPU
4. Disk

Options :

94091815421. 1

94091815422. 2

94091815423. 3

94091815424. 4

Question Number : 16 Question Id : 9409184183 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

First step-in problem-solving process is called

1. Design a solution
2. Define a problem
3. Practising the solution
4. Organizing the data

Options :

94091815425. 1

94091815426. 2

94091815427. 3

94091815428. 4

Question Number : 17 Question Id : 9409184184 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

When an algorithm is written in the form of a programming language, it becomes

1. Flowchart
2. Program
3. Pseudo code
4. Syntax

Options :

94091815429. 1

94091815430. 2

94091815431. 3

94091815432. 4

Question Number : 18 Question Id : 9409184185 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A type of error that cannot be detected by language processor is known as

1. Syntax error
2. Logical error
3. Inception error
4. Conception error

Options :

94091815433. 1

94091815434. 2

94091815435. 3

94091815436. 4

Question Number : 19 Question Id : 9409184186 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A type of error generated by undefined terms is known as

1. Syntax error
2. Logical error
3. Inception error
4. Conception error

Options :

94091815437. 1

94091815438. 2

94091815439. 3

94091815440. 4

Question Number : 20 Question Id : 9409184187 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is done in the development phase by the developers.

1. Debugging
2. Deployment
3. Verification
4. Validation

Options :

94091815441. 1

94091815442. 2

94091815443. 3

94091815444. 4

Question Number : 21 Question Id : 9409184188 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The term refers to data that comes from an external source and is fed into computer software

1. Memory device
2. Input device
3. Output device
4. CPU

Options :

94091815445. 1

94091815446. 2

94091815447. 3

94091815448. 4

Question Number : 22 Question Id : 9409184189 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In a flowchart a process is represented by

1. A rectangle
2. A parallelogram
3. A circle
4. A dashed line

Options :

94091815449. 1

94091815450. 2

94091815451. 3

94091815452. 4

Question Number : 23 Question Id : 9409184190 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is a flowchart?

1. A text-based way of designing an algorithm
2. A specific programming language
3. A diagram that represents a set of instructions
4. A bullet point list of instructions

Options :

94091815453. 1

94091815454. 2

94091815455. 3

94091815456. 4

Question Number : 24 Question Id : 9409184191 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What does an arrow represent in a flow chart?

1. Decision making
2. Data Flow
3. Start
4. Stop

Options :

94091815457. 1

94091815458. 2

94091815459. 3

94091815460. 4

Question Number : 25 Question Id : 9409184192 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is pseudocode?

1. Simplified programming language, that is not a specific language
2. Complicated programming language
3. Simple programming language, which is linked to a specific language
4. A type of cheese

Options :

94091815461. 1

94091815462. 2

94091815463. 3

94091815464. 4

Question Number : 26 Question Id : 9409184193 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In structural language, we cannot add a new sort of

1. Loop
2. Function
3. Variable
4. Constant

Options :

94091815465. 1

94091815466. 2

94091815467. 3

94091815468. 4

Question Number : 27 Question Id : 9409184194 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Function has unrestricted access to

1. Global data
2. Local data
3. Local variable
4. Global name

Options :

94091815469. 1

94091815470. 2

94091815471. 3

94091815472. 4

Question Number : 28 Question Id : 9409184195 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Structured programming involves

1. Decentralization of program activity
2. Functional modularization
3. Localization of errors
4. Globalization of errors

Options :

94091815473. 1

94091815474. 2

94091815475. 3

94091815476. 4

Question Number : 29 Question Id : 9409184196 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Programming based on stepwise refinement process is known as

1. Structural
2. Procedural
3. C Programming
4. Fine

Options :

94091815477. 1

94091815478. 2

94091815479. 3

94091815480. 4

Question Number : 30 Question Id : 9409184197 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Identify the purpose of the following algorithm

Step 1: Read the numbers X, Y, Z.

Step 2: if (X > Y) S = X else S = Y

Step 3 : if (S < Z) S = Z

Step 5: Print S

Step 6: Stop

1. Biggest among two numbers
2. Biggest among three numbers
3. Smallest among two numbers
4. Smallest among three numbers

Options :

94091815481. 1

94091815482. 2

94091815483. 3

94091815484. 4

Question Number : 31 Question Id : 9409184198 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Python is written using the language called

1. English
2. PHP
3. C
4. C++

Options :

94091815485. 1

94091815486. 2

94091815487. 3

94091815488. 4

Question Number : 32 Question Id : 9409184199 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What do we use to define a block of code in Python language?

1. Key
2. Brackets
3. Parenthesis
4. Indentation

Options :

94091815489. 1

94091815490. 2

94091815491. 3

94091815492. 4

Question Number : 33 Question Id : 9409184200 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which character is used in Python to make a single line comment?

1. /
2. //
3. #
4. !

Options :

94091815493. 1

94091815494. 2

94091815495. 3

94091815496. 4

Question Number : 34 Question Id : 9409184201 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is not a keyword in Python language?

1. Val
2. Raise
3. Try
4. With

Options :

94091815497. 1

94091815498. 2

94091815499. 3

94091815500. 4

Question Number : 35 Question Id : 9409184202 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following precedence order is correct in Python?

- A. Parentheses, Exponential, Multiplication, Division, Addition, Subtraction
- B. Multiplication, Division, Addition, Subtraction, Parentheses, Exponential
- C. Division, Multiplication, Addition, Subtraction, Parentheses, Exponential
- D. Exponential, Parentheses, Multiplication, Division, Addition, Subtraction

- 1. A
- 2. B
- 3. C
- 4. D

Options :

94091815501. 1

94091815502. 2

94091815503. 3

94091815504. 4

Question Number : 36 Question Id : 9409184203 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of this function? `round(4.576)`

- 1. 4
- 2. 5
- 3. 5764
- 4. 5

Options :

94091815505. 1

94091815506. 2

94091815507. 3

94091815508. 4

Question Number : 37 Question Id : 9409184204 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
x = 1
while True:
    if x % 5 == 0:
        break
    print(x)
    x += 1
```

1. Error
2. 2 1
3. 0 3 1
4. 1 2 3

Options :

94091815509. 1
94091815510. 2
94091815511. 3
94091815512. 4

Question Number : 38 Question Id : 9409184205 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Syntax error is detected by _____ at _____

1. Compiler/compile time
2. Interpreter/run time
3. Compiler/run time
4. Interpreter/compile time

Options :

94091815513. 1
94091815514. 2
94091815515. 3
94091815516. 4

Question Number : 39 Question Id : 9409184206 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If return statement is not used inside the function, the function will return:

1. None
2. 0
3. Null
4. Arbitrary Value

Options :

94091815517. 1

94091815518. 2

94091815519. 3

94091815520. 4

Question Number : 40 Question Id : 9409184207 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
a = 4.5
```

```
b = 2
```

```
print (a//b)
```

1. 2.0
2. 3.0
3. 1.5
4. 1.0

Options :

94091815521. 1

94091815522. 2

94091815523. 3

94091815524. 4

Question Number : 41 Question Id : 9409184208 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is a python file with .py extension called?

1. Package
2. Module
3. Directory
4. File

Options :

94091815525. 1

94091815526. 2

94091815527. 3

94091815528. 4

Question Number : 42 Question Id : 9409184209 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Find the output of the following code.

```
nameList = ['Harsh', 'Pratik', 'Bob', 'Dhruv']
```

```
print nameList[1][-1]
```

1. s
2. k
3. P
4. H

Options :

94091815529. 1

94091815530. 2

94091815531. 3

94091815532. 4

Question Number : 43 Question Id : 9409184210 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What does pow(x,y,z) do?

1. $(x^{**y}) / z$
2. $(x / y) * z$
3. $(x^{**y}) \% z$
4. $(x / y) / z$

Options :

94091815533. 1

94091815534. 2

94091815535. 3

94091815536. 4

Question Number : 44 Question Id : 9409184211 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
List1 = [1, 2, 3]
```

```
List1[3]
```

1. NameError
2. ValueError
3. IndexError
4. TypeError

Options :

94091815537. 1

94091815538. 2

94091815539. 3

94091815540. 4

Question Number : 45 Question Id : 9409184212 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which one of these is floor division?

1. /
2. //
3. %
4. -

Options :

94091815541. 1

94091815542. 2

94091815543. 3

94091815544. 4

Question Number : 46 Question Id : 9409184213 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Find the value of: $22 \% 3$

1. 7
2. 1
3. 0
4. 5

Options :

94091815545. 1

94091815546. 2

94091815547. 3

94091815548. 4

Question Number : 47 Question Id : 9409184214 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of this code?

```
import math  
abs(math.sqrt(36))
```

1. Error
2. -6
3. 6
4. 6.0

Options :

94091815549. 1

94091815550. 2

94091815551. 3

94091815552. 4

Question Number : 48 Question Id : 9409184215 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of this code?

```
"a" + "bc"
```

1. a+bc
2. abc
3. a bc
4. a

Options :

94091815553. 1

94091815554. 2

94091815555. 3

94091815556. 4

Question Number : 49 Question Id : 9409184216 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of this code?

```
print(0xA + 0xB + 0xC)
```

1. 33
2. 63
3. 34
4. 64

Options :

94091815557. 1

94091815558. 2

94091815559. 3

94091815560. 4

Question Number : 50 Question Id : 9409184217 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is correct output of this program?

```
x = ['xy', 'yz']
for i in x:
    i.upper()
print(x)
```

1. ['xy', 'yz']
2. ['XY', 'YZ']
3. [None, None]
4. [None, 'XZ']

Options :

94091815561. 1

94091815562. 2

94091815563. 3

94091815564. 4

Question Number : 51 Question Id : 9409184218 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the result of this statement?

```
print(ord('foo'))
```

1. 324
2. 12
3. Raises an exception
4. 102

Options :

94091815565. 1

94091815566. 2

94091815567. 3

94091815568. 4

Question Number : 52 Question Id : 9409184219 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Identify the correct output of this program

```
a = 1
while True:
    if a % 7 == 0:
        break
    print(a,end=' ')
    a += 1
```

1. 1 2 3 4 5
2. 1 2 3 4 5 6
3. 1 2 3 4 5 6 7
4. Error

Options :

94091815569. 1

94091815570. 2

94091815571. 3

94091815572. 4

Question Number : 53 Question Id : 9409184220 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code

```
x = 'pqrs'  
for i in range(len(x)):  
    x[i].upper()  
print (x)
```

1. PQRS
2. pqrs
3. qrs
4. qr

Options :

94091815573. 1

94091815574. 2

94091815575. 3

94091815576. 4

Question Number : 54 Question Id : 9409184221 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following option is not a core data type in the python language?

1. Dictionary
2. List
3. Class
4. Member

Options :

94091815577. 1

94091815578. 2

94091815579. 3

94091815580. 4

Question Number : 55 Question Id : 9409184222 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What error will occur when you execute the following code?

```
MANGO=APPLE
```

1. NameError
2. TypeError
3. SyntaxError
4. ValueError

Options :

94091815581. 1

94091815582. 2

94091815583. 3

94091815584. 4

Question Number : 56 Question Id : 9409184223 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What happens when '2' == 2 is executed?

1. False
2. True
3. ValueError
4. TypeError

Options :

94091815585. 1

94091815586. 2

94091815587. 3

94091815588. 4

Question Number : 57 Question Id : 9409184224 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of this code?

```
print(True ** False / True)
```

1. 1
2. 1.0
3. 0.1
4. 0.5

Options :

94091815589. 1

94091815590. 2

94091815591. 3

94091815592. 4

Question Number : 58 Question Id : 9409184225 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following arithmetic operators can be used with strings in python?

1. **
2. *
3. -
4. %

Options :

94091815593. 1

94091815594. 2

94091815595. 3

94091815596. 4

Question Number : 59 Question Id : 9409184226 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
_ = '1 2 3 4 5 6'  
print(_)
```

1. 1 2 3 4 5 6
2. 1 2
3. 1 2 3 5
4. 1 2 3

Options :

94091815597. 1

94091815598. 2

94091815599. 3

94091815600. 4

Question Number : 60 Question Id : 9409184227 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

PVM is often called _____

1. Python Interpreter
2. Python Compiler
3. Python Volatile Machine
4. Portable Virtual Machine

Options :

94091815601. 1

94091815602. 2

94091815603. 3

94091815604. 4

Question Number : 61 Question Id : 9409184228 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
str1="python language"  
str1.find("p")  
print(str1)
```

1. p
2. python language
3. python
4. language

Options :

94091815605. 1

94091815606. 2

94091815607. 3

94091815608. 4

Question Number : 62 Question Id : 9409184229 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

```
str = [(1, 1), (2, 2), (3, 3)] is
```

1. Array list
2. String type
3. List of tuples
4. Str lists

Options :

94091815609. 1

94091815610. 2

94091815611. 3

94091815612. 4

Question Number : 63 Question Id : 9409184230 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How many times the loop will run ?

```
a = 2
while(a > -100):
    a = a - 1
    print(a)
```

1. 102
2. Infinite
3. 2
4. 1

Options :

94091815613. 1

94091815614. 2

94091815615. 3

94091815616. 4

Question Number : 64 Question Id : 9409184231 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following blocks allows you to test the code blocks for errors?

1. Except block
2. Finally block
3. Try block
4. Catch block

Options :

94091815617. 1

94091815618. 2

94091815619. 3

94091815620. 4

Question Number : 65 Question Id : 9409184232 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following functions returns a list containing all matches?

1. Find
2. Sort
3. Search
4. Findall

Options :

94091815621. 1

94091815622. 2

94091815623. 3

94091815624. 4

Question Number : 66 Question Id : 9409184233 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code

```
str1="hello"
```

```
c=0
```

```
for x in str1:
```

```
    if(x!="l"):
```

```
        c=c+1
```

```
    else:
```

```
        pass
```

```
print(c)
```

1. 2

2. 0

3. 4

4. 3

Options :

94091815625. 1

94091815626. 2

94091815627. 3

94091815628. 4

Question Number : 67 Question Id : 9409184234 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following Python code will give different output from the others?

A. for i in range(0,5):

```
print(i)
```

B. for j in [0,1,2,3,4]:

```
print(j)
```

C. for k in [0,1,2,3,4,5]:

```
print(k)
```

D. for l in range(0,5,1):

```
print(l)
```

1. A

2. B

3. C

4. D

Options :

94091815629. 1

94091815630. 2

94091815631. 3

94091815632. 4

Question Number : 68 Question Id : 9409184235 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
for i in range(0,2,-1):
```

```
print("Hello")
```

1. Hello

2. Hello Hello

3. No output

4. Error

Options :

94091815633. 1

94091815634. 2

94091815635. 3

94091815636. 4

Question Number : 69 Question Id : 9409184236 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

A while loop in Python is used for what type of iteration?

1. Indefinite
2. Discriminant
3. Definite
4. indeterminate

Options :

94091815637. 1

94091815638. 2

94091815639. 3

94091815640. 4

Question Number : 70 Question Id : 9409184237 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
x = "abcd"
for i in range(len(x)):
    print(i,end=' ')
```

1. abcd
2. 0 1 2 3
3. 1 2 3 4
4. a b c d

Options :

94091815641. 1

94091815642. 2

94091815643. 3

94091815644. 4

Question Number : 71 Question Id : 9409184238 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following code?

```
x = 12
for i in x:
    print(i)
```

1. 12
2. 1 2
3. Error4
4. 21

Options :

- 94091815645. 1
- 94091815646. 2
- 94091815647. 3
- 94091815648. 4

Question Number : 72 Question Id : 9409184239 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following creates a tuple?

1. tuple1=("a","b")
2. tuple1[2]=("a","b")
3. tuple1=(5)*2
4. None of the above

Options :

- 94091815649. 1
- 94091815650. 2
- 94091815651. 3
- 94091815652. 4

Question Number : 73 Question Id : 9409184240 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of below Python code?

```
tuple1=(5,1,7,6,2)
```

```
tuple1.pop(2)
```

```
print(tuple1)
```

1. (5,1,6,2)
2. (5,1,7,6)
3. (5,1,7,6,2)
4. Error

Options :

94091815653. 1

94091815654. 2

94091815655. 3

94091815656. 4

Question Number : 74 Question Id : 9409184241 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
import datetime
```

```
d=datetime.date(2016,7,24)
```

```
print(d)
```

1. Error
2. 2017-07-24
3. 2017-7-24
4. 24-7-2017

Options :

94091815657. 1

94091815658. 2

94091815659. 3

94091815660. 4

Question Number : 75 Question Id : 9409184242 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
def f(i, values = []):
```

```
    values.append(i)
```

```
    return values
```

```
f(1)
```

```
f(2)
```

```
v = f(3)
```

```
print(v)
```

1. [1] [2] [3]
2. [1] [1, 2] [1, 2, 3]
3. [1,2,3]
4. 1 2 3

Options :

94091815661. 1

94091815662. 2

94091815663. 3

94091815664. 4

Question Number : 76 Question Id : 9409184243 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is correct?

```
class A:
```

```
    def __init__(self):
```

```
        self.count=5
```

```
        self.count=count+1
```

```
a=A()
```

```
print(a.count)
```

1. 5
2. 6
3. 0
4. Error

Options :

94091815665. 1

94091815666. 2

94091815667. 3

94091815668. 4

Question Number : 77 Question Id : 9409184244 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In python, what is method inside class?

1. attribute
2. object
3. argument
4. function

Options :

94091815669. 1

94091815670. 2

94091815671. 3

94091815672. 4

Question Number : 78 Question Id : 9409184245 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is getattr() used for?

1. To access the attribute value of the object
2. To delete an attribute
3. To check if an attribute exists or not
4. To set an attribute

Options :

94091815673. 1

94091815674. 2

94091815675. 3

94091815676. 4

Question Number : 79 Question Id : 9409184246 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
class change:
    def __init__(self, x, y, z):
        self.a = x + y + z
x = change(1,2,3)
y = getattr(x, 'a')
setattr(x, 'a', y+1)
print(x.a)
```

1. 6
2. 7
3. Error
4. 0

Options :

- 94091815677. 1
- 94091815678. 2
- 94091815679. 3
- 94091815680. 4

Question Number : 80 Question Id : 9409184247 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ represents an entity in the real world with its identity and behaviour.

1. method
2. An object
3. A class
4. An operator

Options :

- 94091815681. 1
- 94091815682. 2
- 94091815683. 3

94091815684. 4

Question Number : 81 Question Id : 9409184248 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In which access should a constructor be defined, so that object of the class can be created in any function?

1. Public
2. Protected
3. Private
4. Any access specifier will work

Options :

94091815685. 1

94091815686. 2

94091815687. 3

94091815688. 4

Question Number : 82 Question Id : 9409184249 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For constructor overloading, each constructor must differ in _____ and/or _____

1. Number of arguments, return type
2. Return type, type of arguments
3. Number of arguments, type of arguments
4. Return type, definition

Options :

94091815689. 1

94091815690. 2

94091815691. 3

94091815692. 4

Question Number : 83 Question Id : 9409184250 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
class Test:
    def __init__(self):
        self.x = 0
class Derived_Test(Test):
    def __init__(self):
        self.y = 1
def main():
    b = Derived_Test()
    print(b.x,b.y)
main()
```

1. 0 1
2. 0 0
3. Error because class B inherits A but variable x isn't inherited
4. Error because when object is created, argument must be passed like Derived_Test(1)

Options :

94091815693. 1

94091815694. 2

94091815695. 3

94091815696. 4

Question Number : 84 Question Id : 9409184251 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What type of inheritance is illustrated in the following Python code?

```
class A():
    pass
class B():
    pass
class C(A,B):
    pass
```

1. Multi-level inheritance
2. Multiple inheritance
3. Hierarchical inheritance
4. Single-level inheritance

Options :

94091815697. 1

94091815698. 2

94091815699. 3

94091815700. 4

Question Number : 85 Question Id : 9409184252 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What does single-level inheritance mean?

1. A subclass derives from a class which in turn derives from another class
2. A single superclass inherits from multiple subclasses
3. A single subclass derives from a single superclass
4. Multiple base classes inherit a single derived class

Options :

94091815701. 1

94091815702. 2

94091815703. 3

94091815704. 4

Question Number : 86 Question Id : 9409184253 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
class A:
    def __init__(self,x=3):
        self._x = x
class B(A):
    def __init__(self):
        super().__init__(5)
    def display(self):
        print(self._x)
def main():
    obj = B()
    obj.display()
main()
```

1. 5
2. Error, class member x has two values
3. 3
4. Error, protected class member can't be accessed in a subclass

Options :

- 94091815705. 1
- 94091815706. 2
- 94091815707. 3
- 94091815708. 4

Question Number : 87 Question Id : 9409184254 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____function that will make the child class inherit all the methods and properties from its parent.

1. super()
2. __init__()
3. self
4. pass

Options :

- 94091815709. 1
- 94091815710. 2
- 94091815711. 3

94091815712. 4

Question Number : 88 Question Id : 9409184255 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which of the following statements is FALSE?

1. A non-private method in a superclass can be overridden
2. A derived class is a subset of superclass
3. The value of a private variable in the superclass can be changed in the subclass
4. When invoking the constructor from a subclass, the constructor of superclass is automatically invoked

Options :

94091815713. 1

94091815714. 2

94091815715. 3

94091815716. 4

Question Number : 89 Question Id : 9409184256 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Suppose a tuple contains 10 elements. How can you set the 5th element of the tuple to 'Hello'?

1. Elements of tuple cannot be changed
2. `arr(4) = 'Hello'`
3. `arr[5] = 'Hello'`
4. `arr[4] = 'Hello'`

Options :

94091815717. 1

94091815718. 2

94091815719. 3

94091815720. 4

Question Number : 90 Question Id : 9409184257 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Program code making use of a given module is called a _____ of the module

1. Client
2. Docstring
3. Interface
4. Modularity

Options :

94091815721. 1

94091815722. 2

94091815723. 3

94091815724. 4

Question Number : 91 Question Id : 9409184258 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

_____ is a string literal denoted by triple quotes for providing the specifications of certain program elements

1. interface
2. Modularity
3. Client
4. Docstring

Options :

94091815725. 1

94091815726. 2

94091815727. 3

94091815728. 4

Question Number : 92 Question Id : 9409184259 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Python enables delicate balance between Aesthetics and efficiency by using _____

1. Constructors
2. Decorators
3. Getter/Setter
4. Destructors

Options :

94091815729. 1

94091815730. 2

94091815731. 3

94091815732. 4

Question Number : 93 Question Id : 9409184260 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What will be the output of the following Python code?

```
from math import factorial  
print(factorial(5))
```

1. Error, the statement should be: print(factorial(5))
2. Nothing is printed
3. Error, method factorial doesn't exist in math module
4. 120

Options :

94091815733. 1

94091815734. 2

94091815735. 3

94091815736. 4

Question Number : 94 Question Id : 9409184261 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the correct way to draw a line in canvas tkinter ?

1. line()
2. canvas.create_line()
3. create_line(canvas)
4. draw()

Options :

94091815737. 1

94091815738. 2

94091815739. 3

94091815740. 4

Question Number : 95 Question Id : 9409184262 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For what purpose, the bg is used in Tkinter widget ?

1. To change the direction of widget
2. To change the size of widget
3. To change the color of widget
4. To change the background of widget

Options :

94091815741. 1

94091815742. 2

94091815743. 3

94091815744. 4

Question Number : 96 Question Id : 9409184263 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

By using sqlite3 , we can store our data on

1. Local
2. Global
3. Server
4. Client

Options :

94091815745. 1

94091815746. 2

94091815747. 3

94091815748. 4

Question Number : 97 Question Id : 9409184264 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How do you a query in Python sqlite3?

1. sqlite3.execute.query
2. sqlite3.execute(query)
3. sqlite.run.execute(query)
4. sqlite3.run(query)

Options :

94091815749. 1

94091815750. 2

94091815751. 3

94091815752. 4

Question Number : 98 Question Id : 9409184265 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For fetching the data, which function we need to run?

1. fetch()
2. rawquery()
3. executequery()
4. execute()

Options :

94091815753. 1

94091815754. 2

94091815755. 3

94091815756. 4

Question Number : 99 Question Id : 9409184266 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How can you open a link in a new browser window?

1. <ahref="url"new>
2. <ahref="url"target="_blank">
3. <ahref="url"target="new">
4. <ahref="url"target="">

Options :

94091815757. 1

94091815758. 2

94091815759. 3

94091815760. 4

Question Number : 100 Question Id : 9409184267 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The function used to alter the thickness of the pen to 'x' units

1. turtle.width(x)
2. turtle.span(x)
3. turtle.girth(x)
4. turtle.thickness(x)

Options :

94091815761. 1

94091815762. 2

94091815763. 3

94091815764. 4