MCQS   CLASS 12

MULTIPLE CHOICE OF QUESTIONS FOR CLASS XII PYTHON

COMPUTER SCIENCE

QNO1. Which of the following symbols are used for comments in Python?

    (A)   //
    (B)   "
    (C)   /**/
    (D)   #

QNO2 Which keyword is used to define methods in Python?

(A) function
(B) def
(C) method
(D) All of these

QNO3 Which of the following is correct way to declare string variable in Python?

    (A)   fruit = 'banana'
    (B)   fruit = "banana"

    (C)   fruit = banana

    (D)   (D) fruit = (banana)

QNO5 Syntax of constructor in Python?

    (A) def __init__()
(B) def _init_()
(C) _init_()
(D) All of these

QNO6 How to find the last element of list in Python? Assume `bikes` is the name of list.

    (A)   bikes[0]
    (B)   bikes[-1]
    (C)   bikes[lpos]
    (D)   bikes[:-1]

QNO7 If a='cpp', b='buzz' then which of the following operation would show 'cppbuzz' as output?

(A)   a+b
(B)   a+"+b
(C)   a+""+b
(D)   All of the above

QNO8 If a='cpp', b='buzz' then what is the output of:

c = a-b

print(c)

(A)   cpp-buzz
(B)   cppbuzz
(C)   TypeError: unsupported operand
(D)   None of the above

QNO9 a = 8.6

b = 2

print a//b

(A)   4.3
(B)   4.0
(C)   4
(D)   compilation error

QNO 10

a = True

b = False

c = True

if not a or b:

    print "a"

elif not a or not b and c:

    print "b"

elif not a or b or not b and a:

MCQS   CLASS 12

```
    print "c"

else:

    print "d"
```

(A) a
(B) b
(C) c
(D) d

MULTIPLE CHOICE QUESTIONS

SUB: BUSINESS STUDIES   CLASS: XII

1. Rearrange the following managerial functions in sequential order.
   (Planning - Staffing - Organising - Controlling - Directing)
   Ans. Planning – Organising- Staffing – Directing – Controlling.
2. Management is
   a. Exact Science b. Pure Science c. In exact science d. None of these
      Ans. Inexact science
3. Management should find the best way to perform a task'. Which technique
   of management is referred here?
   a. Time Study b. Motion Study c. method Study d. Fatigue Study
   Ans. Method Study
4. A small packet of shampoo is given free along with the purchase of soap.
   Name the sales promotion technique.
   Ans. Free Samples
5. To measure the level of knowledge and proficiency in the area of
   profession, ... test is conducted
    a. Personality Test b. Aptitude Test c. Trade Test d. Intelligence Test
       Ans.Trade Test
6. Find the odd one.
   a. Leadership b. Communication c. Co-ordination d. Supervision
      Ans. Co ordination
7. The role of subordinates of an organisation is enhanced by giving them
   more autonomy. This refers to:
   a. Delegation b. Decentralisation b. Span of control d. Departmentalisation
      Ans. Decentralisation
8. In order to be successful, an organization must change itself according to
   the needs of the environment. Which characteristic of management is
   highlighted in the statement?
   a) Group activity b) Pervasive c) Dynamic d) Multi dimensional
           Ans. Dynamic
9. Your Grand Father has retired as the director of a manufacturing company.
   At what level of management was he working?
      Top level b) Middle Level c) Lower level d) None of these
      Ans. Top level
10.   Which element / dimension of business environment involve
    improvement and innovations which provide new ways of producing goods
    and services and new methods and techniques of operating a business?

a) Technological environment b) Social environment c) Economic
   environment d) Political environment
   Ans. Technological Environment

CLASS XII COMPUTER SCIENCE

1. For the following program answer the questions that follow (select any one of the choices):

```
def fun1(x,y):
    returnx+y

a='2'
b='3'
c=fun1(a,b)
print(c)
```

(a) Variable x,y are known as:
   (i)   Empty parameters   (ii) Special parameters (iii) parameters   (iv) default parameters

(b) Variables a,b are known as:
   (i) real argument   (ii) argument (iii) default argument   (iv) default variables

(c) The output of the program is:
   (i) 5   (ii) 23   (iii) None   (iv) Error in program

(d) What will be the output if a and b have values as a=[1,2] and b=[9,10]
   (i) 22   (ii) 23   (iii) None   (iv) [1,2,9,10]

(e) Which statement is the function call in the above program?
   (i) *def fun1(x,y):*   (ii) *return x+y*   (iii) *c=fun1(a,b)*   (iv) None of these

2. Match the following terms with their definitions/descriptions:

	A		B
A	local scope	i	value automatically assigned if parameter is not passed
B	positional argument	ii	accessed within a function
C	global scope	iii	specify parameter and its value in function call
D	default argument	iv	accessed in all the functions
E	named argument	v	function call must match number and order of arguments

Ans:
1
a- iii   b-ii   c-ii   d-iv   e-iv

2
A-ii   B-v   C-iv   D-I   E-iii

KENDRIYA VIDYALAYA ADOOR SHIFT 2

COMPUTER SCIENCE

MCQ QUESTIONS

1	Suppose str="computer science with python" .What will be the output of print(type(str)) (a)int (b) bool (c) string (d)str
2	What will be the output of "Hello".replace('l','e') (a)Heeeo (b) Heelo (c)Heleo (d) None
3	What is the output of math.ceil(4.4)? (a) 5 (b) 4 (c)4.0 (d) 5.0
4	The RDBMS terminology for a row is (a) Tuple (b) relation (c) attribute (d) degree
5	What arithmetic operators cannot be used with strings ? a) + b) * c) – d) All of the mentioned
6	Which of the following is not related to Python i) IDLE ii) Anaconda iii)Corba iv) Pycharm
7	Python is a _____ language a) Procedural oriented b) Object Oriented c) Object Based d) All the Above
8	L-value is associated with notion of _____ a)Keyword b) Operator c) Variable d)Punctuator
9	The size of "reema\'s" is a) 5 b) 7 c) 8 d) None of these
10	Which of the following is an immutable data type in Python a) Lists b)Integer c)Dictionary d) All the above

11	What is the purpose of id()
	  a) to find value b) to find memory address
	  c) to find data type d)none of these

12	Which of the following is not a boolean literal in Python a) True b) None c) False d)none of the above
13	Different ways to create multi line strings are by giving triple a) single quote b) double quotes

	c) triple quotes d) All the above
14	Choose the correct way to find reminder of 5 divided by 2 a) 5/2 b) $\frac{5}{2}$ c)5÷2 d) 5//2
15	Which of the following are valid string(s) in Python ? a) "hello" b) 'Hello' c) { Hello} d) All the Above

Answers

1.d 2.a 3.a 4.a 5.b   6.c 7.b 8. C 9.b 10.b 11.b 12.b 13.d 14.d 15.c

MULTIPLE CHOICE QUESTIONS –COMPUTER SCIENCE

1.Which of the following is immutable ?

a)List b)Dictionary c)Tuple d)None of these   Ans:c

2.Which of the following we can use as key in dictionary?

a)List b)Dictionary c)Tuple d)None of these   Ans:c

3.Which of the following is a valid identifier in python?

a)_var b) 9pqr c)p@q   d)P-QR   Ans:a

4.Degree of AXB is_____

a)Degree(A)+Degree(B)   b)Degree(A)*Degree(B)   c)All of these d)None of these   Ans:a

5._____is the command for selecting a Database

a)USE b)SELECT c)CREATE d)None of These   Ans:a

6.Which is the device that forwards packet by checking the IP address.

a)Bridge   b)Modem   c))Router   d)Switch   Ans:c

7)_____Spans over less than a Kilometer

a)MAN b)LAN   c)WAN d)All of the above   Ans:b

8)FTP stand for_____

a)Foreign Transfer protocol b)Fiber Tech Protocol c)Fiber Transfer Protocol d)None Of These   Ans:d

9) The fraudulent practice of sending emails purporting to be from reputable companies in order to induce individuals to reveal personal information is called_____

a)Spams b)Phishing   c)Cyber bullying   d)None of these

10)The act which governs the cyber transactions in India is_____

a)IT act 2000 b)IT act 2008   c)IT act 2003 d)None of these   Ans:a

KENDRIYA VIDYALAYA ERNAKULAM REGION 2019-2020

KENDRIYA VIDYALAYA THRISSUR

CLASS XII

COMPUTER SCIENCE

MULTIPLE CHOICE QUESTIONS

_____

1. in the given below statement from the following options

    X=(20,3.14,"OK",100)

    i)List   ii)Tuple   iii)Dictionary   iv)Array

    Answer: ii)Tuple

2. Which of the following is/are not a valid operator in python

    i)+=   ii)import   iii)None   iv)or

    Answer:ii)import

3. Write the type of tokens of the following

    i)_var   ii)in

    Answer:i)Identifier   ii)Keyword

4. Write the names of the modules which are required to use these built-in functions:-

    i)randrange()   ii)abs()

    Answer:i)random   ii)math

5. --------------------------------command in SQL is used to change/modify data of a table

    Answer:UPDATE

6. Which keyword in SQL is used to find unique values from various duplicate values in

    a column.

Answer:DISTINCT

7. -------------------------------command in SQL is used to save the transactions made by any of the DML commands

   i)ROLL BACK   ii)COMMIT   iii)SAVE POINT

   Answer:COMMIT

8. ---is a network device used to divide a single computer network into various sub-networks.

   i)router   ii)switch   ii)hub iv)repeater

   Answer:switch

9. ---------------------------------- is a command prompt command which is used to test the ability of the source computer to reach a specified destination computer.

   i)pip   ii)ping   iii)md   iv)rd

   Answer:ping

10. ------------------------------ is the fraudulent attempt to obtain sensitive information like usernames,passwords etc

    Answer:Phishing

1. Which SQL function is used to count the number of rows in a SQL query?
a) COUNT()
b) NUMBER()
c) SUM()
d) COUNT(*)

2. Which SQL keyword is used to retrieve a maximum value?
a) MOST()
b) TOP()
c) MAX()
d) UPPER()

3. With SQL, how do you select all the records from a table named "Persons" where the value of the column "FirstName" ends with an "a"?
a) SELECT * FROM Persons WHERE FirstName='a'
b) SELECT * FROM Persons WHERE FirstName LIKE 'a%'
c) SELECT * FROM Persons WHERE FirstName LIKE '%a'
d) SELECT * FROM Persons WHERE FirstName='%a%'

4. With SQL, how can you return all the records from a table named "Persons" sorted descending by "FirstName"?
a) SELECT * FROM Persons SORT BY 'FirstName' DESC
b) SELECT * FROM Persons ORDER FirstName DESC
c) SELECT * FROM Persons SORT 'FirstName' DESC
d) SELECT * FROM Persons ORDER BY FirstName DESC

5. Which of the following is not a DDL command?
a) UPDATE
b) TRUNCATE
c) ALTER
d) None of the Mentioned

6. What does the ALTER TABLE clause do?

a) The SQL ALTER TABLE clause modifies a table definition by altering, adding, or deleting table columns and/or constraints

b) The SQL ALTER TABLE clause is used to insert data into database table

c) THE SQL ALTER TABLE deletes data from database table

d) The SQL ALTER TABLE clause is used to delete a database table

7. If you don't specify ASC or DESC after a SQL ORDER BY clause, the following is used by default _____

a) ASC

b) DESC

c) There is no default value

d) None of the mentioned

8. To include the use of functions which are present in the random library, we must use the option:

a) import random

b) random.h

c) import.random

d) random.random

9. What is the value returned by math.floor(3.4)?

a) 3

b) 4

c) 4.0

d) 3.0

10. What does 3 ^ 4 evaluate to in PYTHON?

a) 81

b) 12

c) 0.75

d) 7

1. d   2. c   3.c   4. d   5. a   6. a   7. a   8. a   9. a   10. a

COMPUTER SCIENCE NEW(083)

Objective Type Questions

1. _____is a web framework

    a) django   b) jango   c) bingo   d) c#

2. How many values can be returned by a function in python?

    a) 0 b) 1 c) more than one d) 2

3. _____library can be used for visualization of data

    a) numpy b) pandas c) random d) pyplot

4. stack is a _____structure

    a) LIFO b) FIFO c) Array d) String

5. Two types of files are _____ and _____

6. Which method returns the current position within the file?

7. _____method is used to rename a file in Python

8. _____method of _____module can be used to create a

    directory in the current directory.

9. MVC stands for_____

10. In django, business logic which interact with the model and

    the view is known as _____

COMPUTER SCIENCE NEW(083)

<u>Objective Type Questions</u>

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    the view is known as _____

Kendriya Vidyalaya Idukki

MCQ- Computer Science

1. **Statement : print (id(x)) will print_____.**
   1. Value of x
   2. Datatype of x
   3. Size of x
   4. **Memory address of x**

   Ans: 4.

2. **Function returns multiple values in form of____.**
   1. List
   2. Tuple
   3. String
   4. Set

   Ans: 2.

3. **Which one of the following is an assignment operator in python?**
   1. //
   2. %=
   3. and
   4. <=

   Ans: 2.

4. **ALTER is a _____ command.**
   1. DDL
   2. DML
   3. TCL
   4. DCL

Ans: 1.

5. Which of the following attribute can be taken as Primary key?
    1. Name
    2. street
    3. studentid
    4. department

Ans: 3.

6. Which of the following command is used to change the rows that already exist in a table?
    1. Insert.
    2. Union.
    3. Update.
    4. Select

Ans: 3.

7. **Spam refers to the sending of bulk-mail by an identified or unidentified source?**

    1. Virus.

    2. Malware.

    3. Spam.

    4. Trojan horse.

    Ans: 3.

8. **Give the output:**
    ```
    my_data = (1, 2, "Kevin", 8.9)
    print (my_data[-3])
    ```

    1. 8.9

    2. "Kevin".

    3. 1

    4. 2

    Ans: 4.

9. **Which of the following is not a valid keyword in python?**

    1. def

    2. return

3. for

4. While

Ans: 4.

10. Which of the following is a valid identifier in python?

1. *ab

2. 1ab

3. _ab

4. a*b

Ans: 3.

KENDRIYA VIDYALAYA KALPETTA
MULTIPLE CHOICE QUESTIONS
CLASS XII
COMPUTER SCIENCE

Prepared by: Aneesa N Ali (PGT Computer Science)

1. A guideline for the OSS licenses other than the GPL.
a) OSI
b) OSD
c) OSE
d) OSL

Answer: b

2. What is the output of the following?

```
x = ['ab', 'cd']
for i in x:
x.append(i.upper())
print(x)
```

a) ['AB', 'CD'].
b) ['ab', 'cd', 'AB', 'CD'].
c) ['ab', 'cd'].
d) none of the mentioned

Answer : d
Explanation: The loop does not terminate as new elements are being added to the list in each iteration.
3. What arithmetic operators cannot be used with strings ?
a) +
b) *
c) –
d) All of the mentioned

 Answer: c

4. Suppose list1 is [1, 3, 2], What is list1 * 2 ?

a) [2, 6, 4].
b) [1, 3, 2, 1, 3].
c) [1, 3, 2, 1, 3, 2] .

D) [1, 3, 2, 3, 2, 1].

Answer : c

5. What will be the output?

>>>t1 = (1, 2, 4, 3)
>>>t2 = (1, 2, 3, 4)
>>>t1 < t2

a) True
b) False
c) Error
d) None

Answer : b

6. What is the output of the below program?

def sayHello():
    print('Hello World!')
sayHello()
sayHello()

a) Hello World!
Hello World!
b) 'Hello World!'
'Hello World!'
c) Hello
Hello
d) None of the mentioned

Answer: a
Explanation: Functions are defined using the def keyword. After this keyword comes an identifier name for the function, followed by a pair of parentheses which may enclose some names of variables, and by the final colon that ends the line. Next follows the block of statements that are part of this function.

def sayHello():
    print('Hello World!') # block belonging to the function
    # End of function #
sayHello() # call the function
sayHello() # call the function again

7. The readlines() method returns
a) str
b) a list of lines
c) a list of single characters
d) a list of integers

Answer: b

Explanation: Every line is stored in a list and returned.

8. What is the output of the following line of code, if the sys module has already been imported?

sys.stdout.write("hello world")

a) helloworld
b) hello world10
c) hello world11
d) error

Answer: c

Explanation: The function shown above prints the given string along with the length of the string. Hence the output of the function shown above will be hello world11.

9. Which of the following cannot be returned by random.randrange(4)?

a) 0
b) 3
c) 2.3
d) none of the mentioned

Answer: c

Explanation: Only integers can be returned

10. What is the output of the following piece of code?

```
def test(i,j):
if(i==0):
return j
else:
return test(i-1,i+j)
print(test(4,7))
```

a) 13
b) 7
c) Infinite loop
d) 17

Answer: a

Explanation: The test(i-1,i+j) part of the function keeps calling the function until the base condition of the function is satisfied.

MULTIPLE CHOICE QUESTIONS

CLASS XII

SUBJECT Computer Science- Prepared By- (Aswathi V-PGT-CS)

1. A function which does not return any value is called a _____
   a. void function   b.fruitful function   c.none function   d.empty function

2. The area in which a variable can be accessed is called its _____
   a.activearea   b.lifetime   c.scope   d. livearea

3. _____ is an example for mutable data types in Python
   a.List   b.tuple   c. Dictionary   d.Set

4. The condition which causes the exit from a recursive function is called _____ case
   a.recursive case   b. exitcase   c. base case   d end case

5. The efficiency of binary search algorithm is of the order of _____
   a. N   b N^2 c.$\log_2 N$ d.N/2

6. _____ function is used to plot a bar graph
   a.plot()   b.bar()   c.drawbar()   d. plotbar()

7. _____ is a protocol used for remote login
   a.FTP   b. SSL   c Telnet   d.SMTP

8. _____ is a LIFO data structure
   a.Stack   b. Array   c.Queue   d. List

9. Each network device is assigned a unique address called _____
   a.MAC address   b. Host address   c. IP address   d. Network address

10. The number of columns in a table is called _____ in relational algebra
    a.Tuple   b.Cardinality   c. Degree   d.Attributes

1   What is the output of this expression, 3*1**3?
    a) 27
    b) 9
    c) 3
    d) 1
    Answer: c
    Explanation: First this expression will solve 1**3 because exponential has higher
    precedence than multiplication, so 1**3 = 1 and 3*1 = 3. Final answer is 3.

2   What will be the output of the following Python code?

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

    a)['ab','cd']

    b)['AB','CD']

    c)[None,None]

    d) none of the mentioned

    Answer: a
    Explanation: The function upper() does not modify a string in place, it returns a new
    string which isn't being stored anywhere.

3   Is Python case sensitive when dealing with identifiers?
    a) yes
    b) no
    c) machine dependent
    d) none of the mentioned
Ans Answer:a

4   What is the maximum possible length of an identifier?
    a) 31 characters
    b) 63 characters
    c) 79 characters
    d) none of the mentioned
Ans Answer: d
    Explanation: Identifiers can be of any length.

5   Which of the following is invalid?
    a) _a = 1
    b) __a = 1
    c) __str__ = 1
    d) none of the mentioned
    Answer: d
    Explanation: All the statements will execute successfully but at the cost of reduced
    readability.

6   Which of the following is not a keyword?
    a) eval
    b) assert

c) nonlocal
d) pass
Answer: a
Explanation: eval can be used as a variable.
7   Which of the following is an invalid statement?
     a) abc = 1,000,000
     b) a b c = 1000 2000 3000
     c) a,b,c = 1000, 2000, 3000
     d) a_b_c = 1,000,000
     Answer: b
     Explanation: Spaces are not allowed in variable names.
8   Which of the following cannot be a variable?
     a) __init__
     b) in
     c) it
     d) on
     Answer: b
     Explanation: in is a keyword.
9   Which is the correct operator for power(x^y)?
     a) X^y
     b) X**y
     c) X^^y
     d) None of the mentioned
     Answer: b
     Explanation: In python, power operator is x**y i.e. 2**3=8.
10   What is the answer to this expression, 22 % 3 is?
     a) 7
     b) 1
     c) 0
     d) 5
     Answer: b
     Explanation: Modulus operator gives the remainder. So, 22%3 gives the remainder, that is, 1.

1. What is the output of the following?
x = ['ab', 'cd']
for i in x: i.upper()
    print(x)
        a) ['ab', 'cd'].
        b) ['AB', 'CD'].
        c) [None, None].
        d) none of the mentioned

2. What is the output of the following? i = 1
    while True:
        if i%2 == 0: break
        print(i) i += 2
            a)   1
            b)   1 2
        c) 1 2 3 4 5 6 …
        d) 1 3 5 7 9 11 …

3.What is the output of the following?
x = "abcdef"
while i in x:
    print(i, end=" ")
a) a b c d e f
b) abcdef
c) i i i i i i …
d) error

4.Which of the following is the use of function in python?
a) Functions are reusable pieces of programs
b) Functions don't provide better modularity for your application
c) you can't also create your own functions
d) All of the mentioned
 Answer: a

5. To open a file c:\scores.txt for reading, we use
a) infile = open("c:\scores.txt", "r")
b) infile = open("c:\\scores.txt", "r")
c) infile = open(file = "c:\scores.txt", "r")
d) infile = open(file = "c:\\scores.txt",
"r")
Answer: b

6. Which is the most appropriate definition for recursion?

a) A function that calls itself

b) A function execution instance that calls another execution instance of the same function

c) A class method that calls another class method

d) An in-built method that is automatically called

7. Process of inserting an element in stack is called _____
a) Create

b) Push

c) Evaluation

d) Pop

8. What is a Firewall in Computer Network?

 A. The physical boundary of Network

 B. An operating System of Computer Network

 C. A system designed to prevent unauthorized access

 D. A web browsing Software

9. Following set of commands are executed in shell, what will be the output?

>>>str="hello"

>>>str[:2]

>>>

a) he

b) lo

c) olleh

d) hello

10. What is the output of the following? x = 123

 for i in x:

    print(i)

a) 1 2 3

b) 123

c) error

d) none of the mentioned

CLASS XII COMPUTER SCIENCE –PYTHON

1	Name the python module need to be imported the following function a)floor() b)randint()
2	Expand the term a) IoT b)CSMA/CD
3	Name two server side scripting language?
4	Write the names of two identity Theft?
5	What is Degree of a Table
6	Which device is used to connect two different types of network?
7	What is primary key
8	Which are the membership operator in Python
9	Which device is used to connect different computers in a room?
10	What is the purpose of Repater?

Multiple Choice Questions

Answers

1	a)math b)random
2	a)Internet of Things b)Carrier Sense Multiple Access/Collision Detection
3	PHP ,Perl
4	True Name, Account Take Over
5	Number of attributes
6	Gateway
7	Unique key used to identify tuple in a table
8	in, not in
9	Switch/Hub
10	Amplify and boost up the signals in long transmission