Zed-King

GROUP OF INSTITUTIONS

ISO 9001 : 2015 Certified

Model Test Paper 2

1 .Who is inventor of Python ?

A) Larry Wall
B) Mark Jukervich
C) Guido van Rossum
D) Dennis Ritchi

2 .Python initial release date ?

A)1991
B)1992
C)1995
D)1996

3 .Which of the following statements is true?

A) Python is a high level programming language.
B) Python is an interpreted language.
C) Python is an object-oriented language.
D) All of the above.

4 .What symbol can you use to comment out one line of code?

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

5 .What is the difference between a class and an object in Python?

A) There is no difference between a class and an object
B) Classes are made from iterations while objects are not.
C) Objects are created from classes.
D) Objects are not able to be called.

6 .Which of the following is not a class method?

A) Non-static
B) Static
C) Bounded
D)Unbounded

7 .In python which keyword is used to start function ?

A) Function
B) def
C) try
D) import

8 .Which of the following environment variable for Python is an alternative module search path?
A) PYTHONPATH
B) PYTHONSTARTUP
C) PYTHONCASEOK
D) PYTHONHOME

9 .Which of the following functions print the output to the console?
A) echo
B) output
C) print
D) console.log

10 .Which module in Python supports regular expressions?
A) re
B) regex
C) pyregex
D) None of the above

11 .Which of the following keyword is a valid placeholder for body of the function ?
A) break
B) continue
C) body
D) pass

12 .Which of the following is correct?
A) Variable name can start with an underscore.
B) Variable name can start with a digit.
C) Keywords cannot be used as a variable name.
D) Variable name can have symbols like: @, #, $ etc.

13 .Which of the following statements is NOT true about Python?
A) Python can be used for web development
B) Python's syntax is much like PHP
C) Python can run on any type of platform
D) Python can be used to generate dynamic web pages

14 .What is the return value of trunc() ?
A) int
B) bool
C) float
D) None of the above

15 .What is the need of :

```
if __name__ == "__main__":
 somemethod()
```

A) Create new module
B) Define generator
c) Run python module as main program
D) Create new objects

16 .Which operator is used to compare two numbers for equality?

A) =
B) ==
C) !=
D) +=

17 .In python which is the correct method to load a module ?

A) include math
B) import math
C) #include<math.h>
D) using math

18 .Which function is used to open the file for reading in python ?

A) fopen(filename, mode)
B) open_file(filename, mode)
C) openfile(filename, mode)
D) open(filename, mode)

19 .Which of the following function checks in a string that all characters are numeric?

A) isnumeric()
B) islower()
C) isspace()
D) istitle()

20 .In python 3 what does // operator do ?

A) Float division
B) Integer division
C) returns remainder
D) same as a**b

21 .What is used to take input from the user in Python?

A) cin
B) scanf()
C) input()
D) <>

22 .What is the name of data type for character in python ?

A) chr
B) char
C) character
D) python do not have any data type for characters they are treated as string.

23 .What error occurs when you execute?

```
apple = mango
```

A) SyntaxError
B) NameError
C) ValueError
D) TypeError

24 .what should the below code print?

```
print type(1J)
```

A) <type 'complex'>
B)<type 'unicode'>

C)<type 'float'> D)<type 'dict'>

25 .What is the output of the following code?

```
import re
sentence = 'Learn Python Programming'
test = re.match(r'(.*) (.*?) (.*)', sentence)
print(test.group())
```

A) Learn Python Programming B) (Learn, Python, Programming)
C) (‘Learn’, ‘Programming’) D) ‘Learn Python Programming’

26 .What is the output of L[2] if L = [1,2,3]?
A) 2 B) 3
C) 4 D) None of the above.

27 .Which of the following is a valid tuple in Python?
A) sampleTuple = (1,2,3,4,5) B) sampleTuple = {1,2,3,4,5}
C) sampleTuple = [1,2,3,4,5] D) sampleTuple = /1,2,3,4,5/

28 .Let a = [1,2,3,4,5] then which of the following is correct ?
A) print(a[:]) => [1,2,3,4] B) print(a[0:]) => [2,3,4,5]
C) print(a[:100]) => [1,2,3,4,5] D) print(a[-1:]) => [1,2]

29 .What is the output of the following code?

```
print(1, 2, 3, 4, sep='*')
```

A) 1 2 3 4 B) 1*2*3*4
C) 1234 D) 24

30 .What is the output of the following code?

```
numbers = [2, 3, 4]
print(numbers)
```

A) [2, 3, 4] B) 2 3 4
C) 2, 3, 4 D) [2 3 4]
Show Answer

31 .What is the value of colors[2]?

```
colors = ['red', 'orange', 'yellow', 'green', 'blue', 'indigo', 'violet']
```

A) orange
B) yellow
C) indigo
D) blue

32 .What is the output of the following code?

```
print(3 >= 3)
```

A) True
B) False
C) 3 >= 3
D) None of the above

33 .what is the output of the following code?

```
print(type([1,2]))
```

A) <class 'tuple'>
B) <class 'int'>
C) <class 'list'>
D) <class 'complex'>

34 .What is the output when following code is executed ?

```
>>> str1 = 'hello'
>>> str2 = ','
>>> str3 = 'world'
>>> str1[-1:]
```

A) olleh
B) hello
C) h
D) o

35 .What is the output when following code is executed ?

```
>>>str1="helloworld"
>>>str1[::-1]
```

A) dlrowolleh
B) hello
C) world
D) helloworld

36 .What will be printed:

```
def f(a, b):
 print(a, b)
f(b=1, *(2,))
```

A) 1 2
B) 2 1
C) This code causes TypeError
D) None of the above

37 .What is inheritance used for?
A)To give a class the methods and variables of an interface
B) To create a new object
C) To give an interface the methods and variables of a class
D) To give a class the variables but not the methods

38 .What will be placed in a?

```
a = [1,2,3]
a[-3:-1] = 10,20,30,40
```

A) IndexError
B) [10, 20, 30, 40, 3]
C) [10, 20, 30, 40, 2, 3]
D) [10, 20, 30, 40]

39 .What does this function return?

```
def f(a,b):
 return a,b
f(**{'b':2,'a':1})
```

A) (1, 2)
B) (2, 1)
C) It causes TypeError: f() got an unexpected keyword argument
D) All of the above

40 .Which of these is not a Python datatype?
A) int
B) long
C) decimal
D) float

41 .Which is not a valid Python loop?
A) for loop
B) while loop
C) Both A and B
D) iter loop

42 .What is a nested loop?
A) a loop without condition
B) a loop called from an object
C) a loop inside a loop
D) a recursive loop

43 .Which of the following is a valid way to start a while loop in Python?
A) while loop a < 10
B) while a < 10:

C) while(a < 10)
D) while loop a < 10:

44 .How to access list elements?
A) print l->get(0)
B) print l.item(0)
C) print l(0)
D) print l[0]

45 .What gets printed?

```
nums = set([1,1,2,3,3,3,4])
print(len(nums))
```

A) 1
B) 2
C) 4
D) 5

46 .How do you create a variable “a” that is equal to 2?
A) var a = 2
B) int a = 2
C) a = 2
D) variable a = 2

47 .Which of the following is not a valid assignment operator?
A) +=
B) -=
C) *=
D) X=

48 .Which one of the following is a valid Python if statement
A) if a >= 22:
B) if (a >= 22)
C) if (a => 22)
D) if a >= 22

49 .The output of the code shown below:

```
import time
time.asctime()
```

A) Current date only
B)UTC time
C) Current date and time
D) Current time only

50 .Which of the following is a valid way to start a function in Python?
A) def someFunction():
B) function someFunction()
C) def someFunction()
D) function someFunction():

51 .Which of the following functions clears the regular expression cache?
A)re.sub()
B)re.pos()
C)re.subn()
D)re.purge()

52 .Which of the following is a valid dictionary in Python?
A)myExample = {‘someItem’=>2, ‘otherItem’=>20}
B)myExample = {‘someItem’: 2, ‘otherItem’: 20}
C)myExample = (‘someItem’=>2, ‘otherItem’=>20)
D)myExample = (‘someItem’: 2, ‘otherItem’: 20)

53 .What is the proper way to open a file that you intend to read from?
A)f = open(“test.txt”, “read”)
B)f = open(“r”,”test.txt”)
C)f = open(“test.txt”, “r”)
D)f = open(“read”,”test.txt”)

54 .Which of the following lines of code will not show a match?
A)>>> re.match(‘ab*’, ‘a’)
B)>>> re.match(‘ab*’, ‘ab’)
C)>>> re.match(‘ab*’, ‘abb’)
D)>>> re.match(‘ab*’, ‘ba’)

55 .What is the output of the snippet of code shown below?

```
import turtle
t=turtle.Pen
t.tilt(75)
t.forward(100)
```

A)A straight line of 100 units tiled at 75 degrees from the horizontal
B)A straight line of 100 units tilted at 15 degrees from the horizontal
C)A straight line of 100 units lying along the horizontal
D)None of the above

56 .What is the output of the following code?

```
str = "freetime"
print (str[1:3])
```

A)fr
B)re
C)fre
D)ree

57 .Is Python case sensitive when dealing with identifiers?
A)yes
B)no
C)machine dependent
D)none of the mentioned

58 .Which of these in not a core data type?
A)Lists
B)Dictionary

C)Tuples D)Class

59 .What is the maximum possible length of an identifier?
A)31 characters B)60 characters
C)73 characters D)none of the mentioned

60 .Which of the following is invalid?
A)_a = 1 B)__a = 1
C)__str__ = 1 D)none of the mentioned

61 .Which one of these is floor division?
A)/ B)//
C)% D)None of the mentioned

62 .What is the output of print 0.1 + 0.2 == 0.3?
A)True B)False
C)Machine dependent D)Error

63 .Which of the following is not a complex number?
A)k = 2 + 3j B)k = complex(2, 3)
C)k = 2 + 3l D)k = 2 + 3J

64 .What is the answer to this expression, 22 % 3 is?
A)7 B)0 C)1 D)5

65 .What is the type of inf?
A)Boolean B)Integer
C)Float D)Complex

66 .Operators with the same precedence are evaluated in which manner?
A)Left to Right B)Right to Left
C)Can't say D)None of the mentioned

67 .What does ~4 evaluate to?
A)-5 B)-3 C)-4 D)-2

68 .What is the output of this expression, 3*1**3?
A)1 B)3 C)9 D)27

69 .
What does ~~~~~~5 evaluate to?
A)+5 B)+11 C)-11 D)-5

70 .Which one of the following has the highest precedence in the expression?
A)Exponential B)Addition
C)Parentheses D)Multiplication

71 .Which of the following is incorrect?
A)float('nan') B)float('12+34')
C)float('56'+'78') D)float('inf')

72 .Which of the following has more precedance?
A)/ B)+
C)() D)-

73 .What will be the output of 7^10 in python?
A)02 B)13
C)15 D)None of the above

74 .Which of the following is the use of id() function in python?
A)Id returns the identity of the object
B)Every object doesn't have a unique id
C)All of the mentioned
D)None of the above

75 .What will be the value of the following Python expression?

```
4 + 3 % 5
```

A)0 B)2
C)4 D)7

76 .Which of the following operators has its associativity from right to left?
A)+ B)//
C)** D)%

77 .What will be the value of x in the following Python expression?

```
x = int(43.55+2/2)
```

A)43
B)44
C)22
D)23

78 .What are the values of the following Python expressions?

```
2**(3**2)
(2**3)**2
2**3**2
```

A)64, 512, 64
B)64, 64, 64
C)512, 512, 512
D)512, 64, 512

79 .What is the value of the following expression?

```
8/4/2, 8/(4/2)
```

A)(1.0, 4.0)
B)(1.0, 1.0)
C)(4.0. 1.0)
D)(4.0, 4.0)

80 .What will be the output of the following Python code snippet?

```
X=”hi”
print(“05d”%X)
```

A)000hi
B)hi000
C)00000hi
D)error

81 .Which of the following formatting options can be used in order to add ‘n’ blank spaces after a given string ‘S’?

A)print(“%-ns”%S)
B)print(“%ns”%S)
C)print(“-ns”%S)
D)print(“-ns”%S)

82 .What will be the output of the following Python code?

```
l=list('HELLO')
'first={0[0]}, third={0[2]}'.format(l)
```

A)‘first=H, third=L’
B)‘first=0, third=2’
C)‘first=0, third=L’
D)Error

83 .What will be the output of the following Python code?

```
l=list('HELLO')
p=l[0], l[-1], l[1:3]
'a={0}, b={1}, c={2}'.format(*p)
```

A)“a=’H’, b=’O’, c=(E, L)”
B)“a=H, b=O, c=[‘E’, ‘L’]”
C)Error
D)Junk value

84 .What will be the output of the following Python code?

```
hex(255), int('FF', 16), 0xFF
```

A)Error
B)[0xFF, 255, 16, 255]
C)(‘0xff’, 155, 16, 255)
D)(‘0xff’, 255, 255)
Show Answer

85 .What will be the output of the following Python code?

```
'{a}{b}{a}'.format(a='hello', b='world')
```

A)‘hello world’
B)‘hello’ ‘world’ ‘hello’
C)‘helloworldhello’
D)‘hello’ ‘hello’ ‘world’

86 .What will be the output of the following Python code?

```
'The {} side {1} {2}'.format('bright', 'of', 'life')
```

A)‘The bright side of life’
B)‘The {bright} side {of} {life}’
C)No output
D)Error

87 .What will be the output of the following two codes?

```
i. '{0}'.format(4.56)
ii. '{0}'.format([4.56,])
```

A)‘4.56’, ‘4.56,’
B)‘4.56’, ‘[4.56]’
C)4.56, [4.56,]
D)4.56, [4.56,]

88. Which of the following is used to define a block of code in Python language?
a) Indentation
b) Key
c) Brackets
d) All of the mentioned

89. Which keyword is used for function in Python language?
a) Function
b) def
c) Fun
d) Define

90 .What will be the output of the following Python code snippet?

```
a='hello'
q=10
vars()
```

A){‘a’ : ‘hello’, ‘q’ : 10}
B){‘a’ : ‘hello’, ‘q’ : 10, ……..plus built-in names set by Python….}
C){……Built in names set by Python……}
D)Error

91 .What will be the output of the following Python code?

```
'%x %d' %(255, 255)
```

A)Error
B)‘15f, 15f’
C)‘255, 255’
D)‘ff, 255’

92 .What will be the output of the following Python statement?

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

A)a
B)bc
C)bca
D)abc

93 .What will be the output of the following Python code?

```
>>>str1="helloworld"
>>>str1[::-1]
```

A)hello
B)world
C)dlrowolleh
D)helloworld

94. Which of the following is the correct extension of the Python file?
a) .python
b) .pl

c) .py
d) .p

95 .What will be the output of the following Python code?

```
>>>example = "snow world"
>>>print("%s" % example[4:7])
```

A)wo
B)world
C)sn
D)rl

96 .What will be the output of the following Python code?

```
>>>example = "helle"
>>>example.find("e")
```

A)-1
B)1
C)0
D)Error

97 .What will be the output of the following Python code?

```
>>>example="helloworld"
>>>example[::-1].startswith("d")
```

A)True
B)-1
C)dlrowolleh
D)None of the above

98 .To concatenate two strings to a third what statements are applicable?
A)s3 = s1 . s2
B)s3 = s1.add(s2)
C)s3 = s1.__add__(s2)
D)s3 = s1 * s2

99. Who developed Python Programming Language?
a) Wick van Rossum
b) Rasmus Lerdorf
c) Guido van Rossum
d) Niene Stom

100. Which type of Programming does Python support?
a) object-oriented programming
b) structured programming
c) functional programming
d) all of the mentioned