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**Interdiction to the python program chapter 3**

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**ISE first class unit three home work for ustad pohand Mohamad gharani**

**Multiple Choice Questions**

**1. \_\_\_\_\_\_\_\_\_ control statement repeatedly executes a set of statements.**

a. Iterative

b. Conditional

c. Multi-way

d. All of these

**2. Deduce the output of the following code.**

**if False and False:**

**print(“And Operation”)**

**elif True or False:**

**print(“Or operation”)**

**else:**

**print(“Default case”)**

a. And Operation

b. Or Operation

c. Default Case

d. B and C option

**3. Predict the output of the following code.**

**i = 1**

**while True:**

**if i%2 == 0:**

**break**

**print(i)**

**i += 1**

a. 1

b. 12

c. 123

d. None of these

**4. Which keyword is used to take the control to the beginning of the loop?**

a. exit

b. break

c. continue

d. None of these

**5. The step argument in range() function \_\_\_\_\_\_\_\_\_.**

a. indicates the beginning of the sequence

b. indicates the end of the sequence

c. indicates the difference between every two consecutive numbers in the

sequence

d. generates numbers up to a specified value91

**6. The symbol that is placed at the end of if condition is**

a. ;

b. :

c. &

d. ~

**7. What is the keyword that is used to come out of a loop only for that iteration?**

a. break

b. return

c. continue

d. if

**8. Judge the output of the following code snippet.**

**for i in range(10):**

**if i == 5:**

**break**

**else:**

**print(i)**

a. 0 1 2 3 4

b. 0 1 2 3 4 5

c. 0 1 2 3

d. 1 2 3 4 5

**9. Predict the output of the following code snippet.**

**while True:**

**print(True)**

**break**

a. True

b. False

c. None

d. Syntax error

**10. The output of the below expression is**

**>>>10 \* (1/0).**

a. OverflowError

b. ZeroDivisionError

c. NameError

d. TypeError

**11. How many except statements can a try-except block have?**

a. Zero

b. One

c. More than one

d. More than zero92

**12. When will the else part of the try-except-else be executed?**

a. Always

b. When an exception occurs

c. When no exception occurs

d. When an exception occurs in a try block

**13. When is the finally block executed?**

a. When an exception occurs

b. When there is no exception

c. Only if some condition that has been specified is satisfied

d. always

**14. The keyword that is not used as an exception handling in Python?**

a. try

b. except

c. accept

d. finally

**15. An exception is**

a. A object

b. A special function

c. A special module

d. A module

**16. The set of statements that will be executed whether an exception is thrown or not?**

a. except

b. else

c. finally

d. assert

**17. Predict the output of the following code snippet.**

**while True**

**print(“Hello World”)**

a. Syntax Error

b. Logical Error

c. Run-time error

d. None of these

**18. Gauge the output of the following statement?**

**int("65.43")**

a. Import error

b. Value error

c. Type error

d. Name error93

**19. The error that is not a standard exception in Python.**

a. Name Error

b. Assignment Error

c. IO Error

d. Value Error

**20. The function that generates a sequence of numbers which can be iterated through**

**using *for* loop.**

a. input()

b. range()

c. list()

d. raw\_input()

**21. What is the output of the following code snippet?**

**x = 'abcd'**

**for i in x:**

**print(i)**

a. abcd

b. 0 1 2 3

c. iiiii

d. Traceback

**22. The function of while loop is**

a. Repeat a chunk of code a given number of times.

b. Repeat a chunk of code until a condition is true.

c. Repeat a chunk of code until a condition is false.

d. Repeat a chunk of code indefinitely.

**Review Questions :**

**1. Briefly explain the conditional statements available in Python.**

**Answers:**

**2. Explain the syntax of for loop with an example.**

**Answers:**

**3. What is the purpose of using break and continue?**

**Answers:**

**4. Differentiate the syntax of *if...else* and *if...elif...else* with an example.**

**Answers:**

**5. Explain the use of *range()* function with an example.**

**Answers:**

**6. Why would you use a try-except statement in a program?**

**Answers:**

**7. Explain the syntax of *while* loop with an example.**

**Answers:**

**8. Differentiate between syntax error and an exception.**

**Answers:**

**9. Explain the syntax of the try-except-finally block.94**

**Answers:**

**10. Write a program to read the Richter magnitude value from the user and display**

**the result for the following conditions using *if...elif...else* statement.**

**Richter Magnitude**

**Information**

**> 1.0 and < 2.0**

**Microearthquakes not felt or rarely felt**

**> 2.0 and < 4.0**

**Very rarely causes damage**

**> 4.0 and < 5.0**

**Damage done to weak buildings**

**> 5.0 and < 6.0**

**Cause damage to the poorly constructed building**

**> 6.0 and < 7.0**

**Causes damage to well-built structures**

**> 7.0 and < 8.0**

**Causes damage to most buildings**

**> 8.0 and < 9.0**

**Causes major destruction**

**> 9.0**

**Causes unbelievable damage**

**Answers:**

**11. Write a program to display Pascal’s triangle.**

**Answers:**

**12. Write a program to display the following pattern using nested loops.**

**1**

**1**

**22**

**21**

**333**

**321**

**4444**

**4321**

**55555**

**54321**

**Answers:**

**13. Write a program that uses a while loop to add up all the even numbers between**

**100 and 200.**

**Answers:**

**14. Write a program to print the sum of the following series**

**a. 1 + ½ + 1/3 +. …. + 1/n**

**b. 1/1 + 22 /2 + 33 /3 + ……. + nn/n**

**Answers:**

**15. Write a program to find the depreciation value of an asset(property) by reading**

**the purchase value of the asset (amt), year of the service (year) and the value of**

**depreciation.**

**Answers:**