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**Computer**  
**Subject : Comp. Prog. Using Python**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Which of the following is not a python language features (CO1)

- a) Interpreted                      b) general purpose
- c) object oriented                d) Machine dependent

Q.2 How to add a single-line -comment in Python? (CO2)

- a) #this is single line comment
- b) !!this is single line comment
- c) // this is single line comment
- d) \ this is single line comment

Q.3 Which statement is used to bring control to the beginning of the loop? (CO3)

- a) for                                  b) break
- c) continue                         d) none of the above

Q.4 How to access a value in List? (CO4)

- a) mylist()                         b) mylist[]
- c) mylist {}                        d) none

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Q.5 Which keyword is used for creating a function in Python ? (CO5)

- a) function                         b) define
- c) def                                d) fun

Q.6 Which statement import all the functionality of one module to another? (CO6)

- a) import                            b) try
- c) exception                        d) from import

Q.7 Which of the following statement is not used for exception handling ? (CO7)

- a) try                                 b) except
- c) finally                            d) if

Q.8 Which function is used to open a file in Python? (CO8)

- a) file ()                            b) new()
- c) open()                            d) none of these

Q.9 \_\_\_\_\_ keyword is used for defining a class in Python? (CO9)

- a) class                              b) object
- c) return                            d) none

Q.10 Which of the following are greedy match quantifiers? (CO10)

- a) '\*'                                 b) '+'
- c) '?'                                 d) all above

**SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Is Python is an object-oriented language? (T/F) (CO1)

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- Q.12 \_\_\_\_\_string method converts all the character in upper case. (Co2)
- Q.13 Looping is used to execute the statement again and again. (T/F) (CO3)
- Q.14 Functions in Python will always return a value. (T/F) (CO5)
- Q.15 Give the purpose of input function. (CO5)
- Q.16 Write the statement import all the functionality of one module to another module. (CO6)
- Q.17 Write any two common exception handled in Python. (CO7)
- Q.18 OOPS stands for \_\_\_\_\_ (CO9)
- Q.19 Define class. (CO9)
- Q.20 \_\_\_\_\_module is used for regular expression. (CO10)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Briefly explain History and Versions of Python? (CO1)
- Q.22 Explain input and print function with example in Python. (CO2)
- Q.23 Difference between break and continue statement. (CO3)
- Q.24 Write a program in Python to determine whether a number is prime or not? (CO3)
- Q.25 Define set. Explain how it is created in Python? (CO4)
- Q.26 Difference between list and tuple. (CO4)
- Q.27 Define tuple. Explain its four functions? (CO6)

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- Q.28 What is First class function? Write any four properties of first class function? (CO5)
- Q.29 What is sys module? Write down uses of sys module in Python. (CO6)
- Q.30 Briefly explain the following statement with syntax (CO7)
- a) Try
- b) catch
- Q.31 Explain various mode of opening a file in Python. (CO8)
- Q.32 What do you mean by constructor in Python? Explain its type. (CO9)
- Q.33 Explain the concept of Quantifiers in Python. (CO10)
- Q.34 What is splitting? Explain with example? (CO10)
- Q.35 What are exceptions in Python? List the common exception in Python. (CO7)

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain different type of operators used in Python with example. (CO2)
- Q.37 Write short notes with example on (Co5)
- a) map()
- b) filter()
- c) lambda ()
- d) closures ()
- Q.38 What is class and object? How they are implemented in Python explain with examples? (Co9)

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**5th Sem. / Computer Engg.**

**Subject : Python Comp. Prof. Using Python**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Objective type questions. All questions are compulsory (10x1=10)

**(Course Outcome/CO)**

- Q.1 Define ASSERT statement. (CO-2)
- Q.2 ^ Searches string in the given expression form the \_\_\_\_\_ (CO-4)
- Q.3 Write the extension of the module file in Python. (CO-2)
- Q.4 Write the use of function OPEN (). (CO-5)
- Q.5 Len (tuple) function returns \_\_\_\_\_ (CO-10)
- Q.6 Min (list) function shows \_\_\_\_\_ (CO-10)
- Q.7 Define comment in Python. (CO-2)

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Q.8 Zero Division Error is an \_\_\_\_\_ (CO-7)

Q.9 Expand OOPS. (CO-9)

Q.10 Define Polymorphism. (CO-9)

### SECTION-B

**Note:** Very Short answer type questions. Attempt any ten parts 10x2=20

- Q.11 Define Union Operation on sets. (CO-2)
- Q.12 Write two keywords used in Python. (CO-1)
- Q.13 Define Inheritance. (CO-9)
- Q.14 Name type of constructors in python. (CO-4)
- Q.15 Define Filters. (CO-8)
- Q.16 List any two operators of Python. (CO-2)
- Q.17 Lower ( ) function outputs \_\_\_\_\_ (CO-5)
- Q.18 Define Module. (CO-5)
- Q.19 Write the use of DIR function in python. (CO-4)
- Q.20 What is TRY Statement? (CO-5)
- Q.21 Write the use of Assert statement. (CO-2)

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Q.22 Write the use of File Pointer in Python. (CO-5)

### SECTION-C

**Note:** Short answer type questions. Attempt any eight questions. 8x5=40

Q.23 Define List and its three operations. (CO-10)

Q.24 Briefly explain Dictionary. How it is created in Python? (CO-5)

Q.25 Write in brief about history of Python. (CO-1)

Q.26 Write a program of find the largest of three no's. (CO-2)

Q.27 Explain while loop in python. (CO-3)

Q.28 Explain SYS module used in python. (CO-4)

Q.29 What is Exception? How it is handle in python. (CO-7)

Q.30 Describe file and how it is opened in python. (CO-8)

Q.31 Write the special characters used in a regular expression. (CO-10)

Q.32 Explain the greedy match in Python. (CO-10)

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

Q.33 Define Topples in Python. Explain various operation of Topples. (CO-9)

Q.34 Explain class and objects. How it is implemented in Python. (CO-9)

Q.35 How a function is created in Python. Explain the procedure to execute the function with example. (CO-5)

Q.36 Explain the following :-

a) Simple character matching in python. (CO-10)

b) Difference between OOP and Procedural Programming. (CO-9)

**(Note:** Course outcome/CO is for office use only)

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