# Sample Paper 2

# Section – A

*Attempt* ***All*** *Questions* 4 X 5 = 20 Marks

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| No. | Detail of Question | Marks | CO | BL | KL |
| 1 | 1. What will be the output of the following code snippet?   def func():  global value value = "GLA"  value = "Global" print(value) func() print(value)   1. Elaborate the output of the following code snippet?   def display(name=" default", sem,mb): print("hello",name,sem,mb)  display(sem=2,mb=798540) | 1.5+2.5=4 | CO1 | R | D |

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| 2 | (a) What will be the output of the following code snippet?  word = "Python Programming" n = len(word)  word1 = word.upper() word2 = word.lower() converted\_word = ""  for i in range(1,n+1):  if i % 2 == 0:  converted\_word += word1[i] else:  converted\_word += word2[i] print(converted\_word)   1. Python Programming 2. pYtHoN PrOgAmMiNg 3. PyThOn pRoGaMmInG 4. Error   (b) Write the output of the following lines below.  lst = ['python program] slc = lst[-4:-1:1] print(type(slc)) | 2+2=4 | CO4 | U | F |
| 3 | 1. What will be the output of the following code snippet?   count = 0 while(True):  if count % 3 == 0: print(count, end = " ")  if(count > 15): break;  count += 1   1. Code for following pattern   1  3 3 | 4 | CO3 | E | D |

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|  | 5 5 5  7 7 7 7  9 9 9 9 9 |  |  |  |  |
| 4 | Write a Python program to take the items from user in the form of dictionary and make function for sum all the keys in a dictionary with return type and without using sum() method with return type . | 4 | CO5 | R | U |
| 5 | 1. Write a program to remove duplicate items from list in Python. 2. Elaborate the difference between pop()and popitem() in dictionary with suitable example. | 2+2=4 | CO8 | An | C |

# Section – B

*Attempt* ***All*** *Questions* 3 X 5 = 15 Marks

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| No. | Detail of Question | Marks | CO | BL | KL |
| 6 | What will be the output of the following code snippet?  def solve(a): a = [1, 3, 5]  a = [2, 4, 6]  print(a) print(solve(a)) print(a) | 3 | CO8 | U | C |
| 7 | 1. What will be the datatype of the var in the below code snippet?   var = 10 print(type(var)) var = "Hello" print(type(var))   1. What will be the output of the following code snippet?   a = [1, 2, 3]  a = tuple(a) a[0] = 2  print(a) | 1.5+1.5=3 | CO4 | E | U |

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| 8 | Write a function in python to count the number of lines in a text file ‘STORY.TXT’ which is starting  with an alphabet ‘G’or ‘g’. | 3 | CO5 | R | F |
| 9 | Define an custom exception (i.e. user defined exception) class called "MyException". This class contains a parameterized constructor which accept one argument String message. Whenever this exception arise will print "Custom Exception Occurred". Create function called Xyz(). This function perform sum of two user given values by using standard input. If the sum is less than 150 throw user defined exception or else display sum.  **input**  a = 30;  b = 40;  sum = a + b;  as sum is 70 .. then  **output**  Custom Exception Occurred | 3 | CO5 | An | PC |
| 10 | Write a user define a function named anagram() to check weather a given strings anagram or not. | 3 | CO2 | C | PC |

# Section – C

*Attempt* ***All*** *Questions* 5 X 3 = 15 Marks

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| No. | Detail of Question | Marks | CO | BL | KL |
| 11 | 1. Write a code to calculate square of each number of list using lambda function. 2. Write a Python program to find out the even elements from the given list. | 3+2=5 | CO6 | E | DI |
| 12 | Create code for: 1) add elements to a tuple by accepting user input and determining the type of that variable.  2)The element is then inserted into the tuple by taking the position from user, and print it with its type. | 5 | CO6 | C | PC |
| 13 | Code for guessing number in which for each guess, the computer tells if the number is too high or too low and it will run till the guessing number will not match with it. | 5 | CO6 | An | D |