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Total Number of Pages : 2

B.TECH

4th Semester Regular Examination-April-May 2019**BCSPC4010 – FUNDAMENTAL OF PYTHON PROGRAMMING****(Regulations 2017) CSE Branch**

Time : 3 Hours

Maximum : 100 Marks

Answer ALL Questions

The figures in the right hand margin indicate marks.

PART – A: (Multiple Choice Questions) 10 x 2=20 Mark**Q.1. Answer ALL Questions.**

- a. What are various coding styles in Python? [CO1] [PO1]
(a) Functional (b) Procedural (c) Object oriented (d) All the above
- b. Multi line comment in Python contains? [CO1] [PO1]
(a) # (b) ? (c) “”” (d) !
- c. Single comment in Python contains? [CO1] [PO1]
(a) # (b) ? (c) % (d) !
- d. Membership operator can be used for? [CO2] [PO1]
(a) strings (b) strings or lists (c) strings, lists or tuples (d) None of the above
- e. The compound assignment operators are? [CO2] [PO1]
(a) = (b) + (c) += (d) None of the above
- f. Looping statements in Python are? [CO3] [PO1]
(a) while (b) for (c) Both (a) and (b) (d) None of the above
- g. How many condition statements are allowed in while loop? [CO3] [PO1]
(a) 1 (b) 2 (c) 3 (d) 4
- h. The static method should be defined with which statement? [CO4] [PO1]
(a) !staticmethod (b) &staticmethod (c) @staticmethod (d) *staticmethod
- i. The hidden methods are accessible? [CO4] [PO1]
(a) Within the class (b) Outside the class (c) Within the function
(d) Outside the function
- j. self variable can able to access? [CO4] [PO1]
(a) members (b) methods (c) Both members and methods (d) None of the above

PART – B: (Short Answer Questions) 2x10=20 Marks**Q.2. Answer ALL questions**

- a. What is importance of Indentation in Python [CO1] [PO1]
- b. How comments is supported in Python [CO1] [PO1]
- c. Write the structure of the Dictionary? [CO2] [PO1]
- d. List out standard data types in Python? [CO2] [PO1]
- e. Discuss about the “import” statement in Python? [CO3] [PO1]
- f. Explain break statement? [CO3] [PO1]
- g. Define anonymous function in Python? [CO3] [PO1]
- h. How CSV files are handled in Python? [CO4] [PO1]
- i. How overloading is supported in Python? [CO4] [PO1]
- j. Differentiate Error and Exception? [CO4] [PO1]

**PART – C: (Long Answer Questions) 15x4=60 Marks****Q.3 Answer ALL questions**

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| a. Differentiate Interactive mode and script mode programming? | 15 Marks | [CO1] [PO1] |
| b. List out various advantages of Python programming? | | [CO1] [PO1] |

OR

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|--|----------|-------------|
| c. How integer variables are handled in Python? | 15 Marks | [CO1] [PO2] |
| d. Discuss about various features of Python programming? | | [CO1] [PO2] |

Q.4

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|---|----------|-------------|
| a. What are various membership operators in Python programming? Explain with a suitable example program? | 15 Marks | [CO2] [PO1] |
| b. Is character data is handled by Python? If yes, then write a program to reverse the input set of characters? | | [CO2] [PO3] |

OR

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|---|----------|-------------|
| c. Differentiate mutable and immutable objects in Python? Write a program to read them and print the input? | 15 Marks | [CO2] [PO2] |
| d. Write a Python program to read the input value and print the type of the input variable. Also convert the input value into string value. | | [CO2] [PO3] |

Q.5

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|--|----------|-------------|
| a. Write a Python program to print the multiplication table? | 15 Marks | [CO3] [PO1] |
| b. Write a Python program for simple calculator? | | [CO3] [PO1] |

OR

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|--|----------|-------------|
| c. How user defined functions are supported in Python programming? | 15 Marks | [CO3] [PO2] |
| d. Write a Python program for positional and keyword parameters? | | [CO3] [PO1] |

Q.6

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|---|----------|-------------|
| a. List out various Object Oriented Principles? How encapsulation principle is supported in Python? | 15 Marks | [CO4] [PO1] |
| b. Write a Python program for single inheritance? | | [CO4] [PO1] |

OR

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|--|----------|-------------|
| c. Write a detailed note about exception handling in Python? | 15 Marks | [CO4] [PO2] |
| d. Write a Python program to read and display the content of a File? | | [CO4] [PO2] |

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