

CBCS SCHEME

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18AI52

Fifth Semester B.E. Degree Examination, Feb./Mar.2022 Python Programming

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain various Typecasting function used in python with an example. (10 Marks)
b. Explain variable. Describe the rules defined for valid and invalid variables. (10 Marks)

OR

- 2 a. Discuss relational operator, bitwise operator with an example. (10 Marks)
b. Write a program to find sum of first n natural numbers. (10 Marks)

Module-2

- 3 a. Explain dictionaries with example and get () method. (10 Marks)
b. Explain any five methods encountered in list with example. (10 Marks)

OR

- 4 a. Explain any five methods encountered in strings with example. (10 Marks)
b. Explain list, tuple with an example. (10 Marks)

Module-3

- 5 a. Write a Python script to find patterns of text without using regular expression. (10 Marks)
b. Explain file reading and writing process in python. (10 Marks)

OR

- 6 a. Explain the following with respect to Regular Expression:
(i) Escape character (ii) Group (10 Marks)
b. Discuss any five alphabet used in the construction of RE. (10 Marks)

Module-4

- 7 a. Explain deep copy and shallow copy with example. (10 Marks)
b. Write a python script to compute the end time of a movie by specifying the start time and duration. (10 Marks)

OR

- 8 a. Explain in detail, `__str__` method. (10 Marks)
b. Write a python script to highlight operator overloading. (10 Marks)

Module-5

- 9 a. How can we retrieve tuple of all cell object from A₁ to F₁? (10 Marks)
b. List the files we need for EZ sheets to access Google sheets. (10 Marks)

OR

- 10 a. List five function and methods we have to call to create a bar chart. (10 Marks)
b. If we want to retrieve the result of a cell's formula instead of cell formula itself what must we do first? (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.