G3160PP19

Maximum Marks

Duration: - 2.30 hrs 75

2

Note: - All Questions are Compulsory

		(15)			
Q.1	 Attempt the following questions (Any Three) a. What is Python? List and explain features of Python. b. Explain type conversion of variables in python. c. Explain the use of break statement in loop with example. d. What is variable? What are the rules and conventions for declaring a variables? e. Write a python program to print factorial of a number. Take input from user. f. Write a python program to calculate area of triangle and circle and print result. Take input from user. 				
Q.2.	 Attempt the following questions (Any Three) a. What is actual and formal parameter? Explain the difference along with an example. b. Discuss difference between local and global variable. c. Write a python program to check, whether a string is palindrome. d. How function is defined and called in python? e. Explain str.find() function with suitable example. f. Write a function that takes single character and print character is vowel or not. 	(15)			
Q.3.	 Attempt the following questions (Any Three) a. What is List? How to create list? b. Explain various built-in list functions and Methods. c. Explain the properties of dictionary keys. d. How to create dictionary in python? Give Example. e. Write a program to input any two tuples and interchange the tuple value. f. Write a python program to access an integer number and use try/except to catch the exception if number is dividing by zero. 	(15)			
Q.4.	 Attempt the following questions (Any Three) a. Explain math module with its any five functions. b. How to import module? Explain time module. c. Design a class that store the information of student and display the same. d. What is regular expression? Explain various patterns of regular expression? e. What is method overloading? Write an example. f. What is module? What are the advantages of using module? 	(15)			
Q.5.	 Attempt the following questions (Any Three) a. Explain check button widget with example. b. What is layout management? Explain grid manager. c. Write and explain the steps insert a row into Mysql database with example. d. What is the use of list box widget? Give an example to add. Elements to list box. e. Write a source code in python to read single and multiple results of query execution. f. Write a python code to create the following GUI: 	(1,5)			

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