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Question Paper Code: 59830

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Elective

Information Technology

15UIT930- PYTHON PROGRAMMING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. $S1 = \{1, 2, 4, 3\}$ and $s2 = \{1, 5, 4, 13\}$, what is $s1 - s2$?
(a) $\{1,4\}$ (b) $\{1,5,4,13\}$ (c) $\{2,3\}$ (d) None of the all
CO1- R
2. In python which keyword is used to start function?
(a) Function (b) Try (c) Def (d) Import
CO2- R
3. What is the output of the following? $A = [1,3,2,4]$ `print A[-1]`
(a) 1 (b) 3 (c) 2 (d) 4
CO3- R
4. To read the entire remaining contents of the file as a string from a file object `infile`, we use
(a) `infile.read(2)` (b) `infile.read()` (c) `infile.readline()` (d) `infile.readlines()`
CO4- R
5. How do you create an event loop?
(a) `window.loop()` (b) `window.main()` (c) `window.mainloop()` (d) `window.eventloop()`
CO5- R

PART – B (5 x 3= 15 Marks)

6. Write a python program to calculate the area of a triangle. CO1- App
7. Define Generators. CO2- R
8. What is meant by duck typing. CO3- R
9. List out python file methods. CO4- R
10. Difference between get and post method in python. CO5- U

PART – C (5 x 16= 80 Marks)

11. (a) Analyze the difference between list and Tuple with example program. CO1- App (16)
- Or
- (b) Create a program to calculate student result based on two examinations, one sports event and three activities conducted. The weight age of the activity = 30%, sports =20%, and examination=50% CO1- App (16)
12. (a) Create a simple calculator by making functions and explain it. CO2- App (16)
- Or
- (b) Create a program to differentiate try except and try finally in exception handling. CO2- App (16)
13. (a) Create a class Employee with data members: name, department and salary. Create suitable methods for reading and printing employee information. CO3- Ana (16)
- Or
- (b) Write a NumPy program to calculate mean across dimension, in a 2D numpy array. CO3- Ana (16)
14. (a) How to Working with csv files in Python and explain. CO4- App (16)
- Or
- (b) How to Fetch data in Python from mysql database and explain. CO4- App (16)
15. (a) Explain Socket Programming in python. CO5- U (16)
- Or
- (b) Explain GET and POST in Python CGI Programming. CO5- U (16)