**KLS Gogte Institute of Technology, Belagavi**

**Department of Computer Science and Engineering Academic Year: 2019-20(ODD SEM)**

**Program: B.E (\_\_\_\_\_\_\_CSE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) Semester: Fastrack 2020**

**IA Test – I**

**Course Title:Python Programming** **Code: 16CS553**

**Max. Marks:25 marks Duration:1 HrDate: 25/9/19**

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| Instructions: | 1. | **Answer any 5 questions, each carries 5 M**. |
|  | 2. | **Programs must be documented and indented.** |
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| **Q. No.** | **Question** | **[L ]** | **[CO]** | **[PO]** | **[M]** |
| **1** | What is the difference between fetchone and fetchall method of the cursor object? Develop a python snippet of code to connect to a database and return a connection object. | **1, 3** | **1** | **1** | **5** |
| **2** | Develop python code segment to do following operations   * Update salary to 100 where empID = 1001   SELECT rows with salary greater than 1000 and lesser than 10000 | **3** | **1** | **3** | **5** |
| **3** | How can we retrieve data from a table in SQLite database? Which are the methods used? Illustrate with an example. | **2** | **1** | **1** | **5** |
| **4** | What is a cursor object and what is its significance? Explain with an example how to  (i)get a cursor object from the connection object  (ii)execute a SELECT statement  (iii)automatically close a cursor object | **3** | **1** | **3** | **5** |
| **5** | |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | |  |  | | --- | --- | | X | 30 |  |  |  | | --- | --- | | Y | 20 |  |  | | --- | | Submit | |   Page: input.html  Develop a Python CGI user interactive script.  The html and the python pages are shown. | Difference is 30!!  Page:output.py | | **2** | **1** | **1** | **5** |
| **6** | List 4 different ways of saving state information between CGI scripts?  Explain briefly URL Query Parameters and Hidden Form Fields message. | **3** | **1** | **3** | **5** |
| **7** | Explain with an example how cookies are used in CGI scripts. | **3** | **1** | **3** | **5** |

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| **Quiz : 5 marks Duration : 15 minutes** | | | | | | |
| **Q.No** |  | **[L]** | **[CO]** | **[PO]** | **[M]** | |
| 1 | The three dictionary iterator methods are: \_\_\_\_\_\_, \_\_\_\_\_\_ and \_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_. | 1 | 1 | 1 | | 0.5 |
| 2 | Which of these is mutable? a) list b) tuple c) int d) str |
| 3 | Python is a dynamically typed programming language. True/False |
| 4 | The developer of Python is \_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| 5 | The named arguments used in print function are \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_. |
| 6 | input function returns a string. True/False |
| 7 | Python is platform-independent. True/False |
| 8 | \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_ string methods convert the letters in a string to all lowercase and uppercase respectively. |
| 9 | When a local and global variable have same name, the local variable shadows the global variable. True / False |
| 10 | Coding one function as argument of another is called as \_\_\_\_\_\_\_\_\_\_\_\_\_. |