**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 – 2**

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

**Max. Marks:25 marks Duration:1 HrDate: 30/9/19**

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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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| 1. (Encapsulation/Inheritance/Polymorphism) lets you create a class from an existing class. 2. (Encapsulation/Inheritance/Polymorphism) lets you create objects from a subclass as if they were objects of superclass. 3. All methods inherit the (super/root/object) class. 4. In a subclass, existing methods can be (overloaded/overridden) with new versions. 5. To work with data in a database we can use (SQL/Java/Python) | 1. To update data we can use (insert/update/both) 2. A (primary/secondary/foreign/all) key identifies each row in a table. 3. You can use the (cursor/connection) method of a connection object to get a cursor object. 4. We can use the (cursor/execute/connection) method of the cursor object to execute SQL statement. 5. We use \_\_\_\_\_\_ and \_\_\_\_\_\_\_ to work with the result set. |