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|  | GOVERNMENT OF KARNATAKA  Department of Collegiate and Technical Education  **PRIVATE POLYTECHNIC, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | Form No: |
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| E-Mail :RAMYAMP0062GMAIL.COM | | Institute: B E T POLYTECHNIC | |
| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-13

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| Course Name | DATABASE MANAGEMENT SYSTEM AND PLSQL | CIE (written Test) | I | | Sem | III | Date : 02/11/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1.Define a) database b)schema c)entity d)attribute e)tuple f)DBMS | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| II | 2.a List and explain characteristics of DBMS approach | | | L2 | | 1,2,3 | 1,3,4 | 9 |
| 2.b.Write the advantages of DBMS approch | | |
| **OR** | | |
| 3. a Define data model? List and explain its categories. | | |
| 3. b List and explain the types of attributes. | | |
| III | 4. a. Write the E-R diagram notations. | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 4. b. List and explain the degree of relationship type. | | |
| **OR** | | |
| 5. a. Explain DBMS languages. | | |
| 5 .b Explain DBMS interfaces. | | |
| IV | 6. Explain the structural constraints of relationship type. | | | L4 | | 1,2,3 | 1,3,4 | 7 |
| **OR** | | |
| 7. a Write the applications of DBMS approach. | | |
| 7. b Explain three tier architecture. | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| Course Name | DATABASE MANAGEMENT SYSTEM AND PLSQL | CIE (written Test) | II | | Sem | III | Date : 06/12/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. List and explain the integrity constrains. | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| 2. List and explain the commands/task in each type. | | |
| II | 3. Write a note on SQL constraints. Give an example for each | | | L2 | | 1,2,3 | 1,3,4 | 7 |
| 4. Write the syntax for changing table name, column name, delete column, to modify data type. | | |
| III | 5. a) explain aggregate functions | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 5. b)explain group by and having clause with syntax and example | | |
| 6. a) Perform how to modify the data in SQL. | | |
| 6. b) How to filter the data using WHERE clause .Give an example. | | |
| IV | 7. perform LIKE,BETWEEN,AND ,OR operators, consider any table example as reference | | | L4 | | 1,2,3 | 1,3,4 | 9 |
| 8. How to create database, table. Consider stud\_name, stu\_id, marks,subject columns in student relation. Dept\_name,dept\_no, s\_id from department relation.perform ORDER BY,IN ,ALIAS ,UNION ,JOIN,MINUS | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-15

CIE Format

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| Course Name | DATABASE MANAGEMENT SYSTEM AND PLSQL | CIE (written Test) | III | | Sem | III | Date :11/01/2023 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. Define a) PL/SQL b) commit c) rollback d) save point e) grant f) revoke | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| II | 2. Perform the sub queries using ANY,SOME, ALL,EXISTS operators. Take any 2 table as reference. | | | L2 | | 1,2,3 | 1,3,4 | 8 |
| 3. How to create VIEW. Perform DROP and UPDATE on view concept with simple example. | | |
| III | 4. a)How to create uses in SQL, Perform the GRANT and REVOKE the privileges to a user in a table. | | | L3 | | 1,2,3 | 1,3,4 | 9 |
| 4.b) With an simple example , Perform the if-then statement in PL/SQL. | | |
| 5. a) Write the syntax and structure of function. Give an example. | | |
| 5. b) How to initialize and declare the variable in PL/SQL. | | |
| IV | 6. Declare,define and invoke a simple PL/SQL function that computes and return the maximum of two values. | | | L4 | | 1,2,3 | 1,3,4 | 7 |
| 7. Write a PL/SQL function to count number of customers in a table.The table includes following attributes id\_name,age,address,salary. | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-16

CIE (written Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| Course Name | PYTHON | CIE (written Test) | I | | Sem | III | Date :03/011/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. a) List the features of python programming. | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| 1.b) list the various python IDE’s. | | |
| 2. a) list the various character sets in python. | | |
| 2. b) list the naming rules for avariable. | | |
| II | 3.a) Write a note on relational operator with example. | | | L2 | | 1,2,3 | 1,3,4 | 7 |
| 3. b) write a note on typecasting with example. | | |
| 4. a) write a note on elif statement with example. | | |
| 4. b) write a note on loop statement with example. | | |  | |  |  |  |
| III | 5. a) Assume that there are two variables A& B.perform the following operations.  \*.read the values from the keyboard.  \* Check which one is greater among the two variables. | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 5. b) Assume that there are two variables, A=10 &B=3.14.perform the following operations.  \*Perform typecasting for variable B.  \* Perform addition & subtraction among two variables. | | |
| 6.a) Assume that there are two sets A=(0,2,4,6,8) &B=(1,2,3,4,5) perform the following operations  \* Perform INSERTION operation and display result.  \*Perform UNION operation and display result. | | |
| 6.b) Assume that there are TUPLE A and its values are 1,2,3.perform the following operations  \* Repeat the same tuples 3 times.  \* Check the membership of value 3. | | |
| IV | 7. Write the python snippet and its algorithm to check whether the number prime or not. | | | L4 | | 1,2,3 | 1,3,4 | 9 |
| 8. Write the python snippet to evaluate the expression a\*\*b+c\*c-d, where a=2,b=12,c=8,d=10.and also evaluate it manually. | | |

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INS - FORMAT-16

CIE (written Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | PYTHON | CIE (written Test) | II | | Sem | III | Date :08/011/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. Define a) list b)dictionary c)array d)function e) string f) index | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| 2. list the features of list and dictionary. | | |
| II | 3.a) How to declare and initialize the list .Give an example | | | L2 | | 1,2,3 | 1,3,4 | 7 |
| 3. b) How to declare and initialize the dictionary. Give an example | | |
| 4. a) How to indexing is done on list. Explain with an example. | | |
| 4. b) How to indexing is done on dictionary. Explain with an example. | | |  | |  |  |  |
| III | 5. a)Write a program to sort N elements of a list using simple sort. | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 5. b) Write a python script to merge two python dictionaries. | | |
| 6.a) Write the python program to check wheather a given ket already exists in adictionary. | | |
| 6.b) How to reverse each string in a list. | | |
| IV | 7. Write a python program to print the index of the character in a string. Also write the output | | | L4 | | 1,2,3 | 1,3,4 | 9 |
| 8. Write the python program to find the factorial of a N numbers using recursion. Also write the output. | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-16

CIE (written Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | PYTHON | CIE (written Test) | III | | Sem | III | Date :14/01/2023 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. Define a)dataframe b)numpay c)pandas d) math e) trancat() f) flush() | | | L1 | | 1,2,3 | 1,3,4 | 6 |
| II | 2.a) Write a python program to display random integers. | | | L2 | | 1,2,3 | 1,3,4 | 7 |
| 2. b) Write a python program to excecute trigonometric functions. | | |
| 3. a) list and explain basic array operations. | | |
| 3. b)list and explain the file operations. | | |  | |  |  |  |
| III | 4. a) How to perform file creation,read,write,close . | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 4. b) Write a python program to append text to the file. | | |
| 5.a) Write a python program toread last N lines of a file.. | | |
| 5.b) Write a python program to count the number of lines in a text file. | | |
| IV | 6. write a pandas program to join the two dataframes along rows and assign all data. . | | | L4 | | 1,2,3 | 1,3,4 | 9 |
| 7. Write a numpay program to split of an array of shape 4\*4 it into two arrays along the 2nd axis. | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-17

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: CIVIL Engg., Academic Year : 2022 – 23

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| Course Name | ITSKILL | CIE (written Test) | I | | Sem | I | Date : 26/05/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each carries 5 marks. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. Define a)HTML b) web browser c)algorithm d)flowchart e)web page | | | L1 | | 1,2,3 | 1,3,4 | 5 |
| 2. Define a)WWW b)head c)URL d)website e) HTTP | | |
| II | 3. Write the general syntax for HTML. | | | L2 | | 1,2,3 | 1,3,4 | 5 |
| 4. Write the algorithm to find addition of two numbers. | | |
| III | 5. Write any five examples of browsers. | | | L3 | | 1,2,3 | 1,3,4 | 5 |
| 6. Draw the flowchart for subtraction of two numbers. | | |
| IV | 7. What is table tag? Give an example for it. | | | L4 | | 1,2,3 | 1,3,4 | 5 |
| 8. with an simple example ,create a webpage using list tag, image tag, formatting tags | | |

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| E-Mail :RAMYAMP0062GMAIL.COM | | Institute: B E T POLYTECHNIC | |
| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-17

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: CIVIL Engg., Academic Year : 2022 – 23

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| Course Name | ITSKILL | CIE (written Test) | II | | Sem | I | Date : 15/12/2022 | |
| Course Code | 20CS03P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each carries 5 marks. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. Define a)IOT b) web browser c)ERP d)Dashboard e)privacy | | | L1 | | 1,2,3 | 1,3,4 | 5 |
| 2. Define a)BPA b)cyber security c)workflow d)anti-virus e) web page | | |
| II | 3. Explain working of IOT. | | | L2 | | 1,2,3 | 1,3,4 | 5 |
| 4. Write the components of workflow. | | |
| III | 5.Give an example for smart farming and smart city. | | | L3 | | 1,2,3 | 1,3,4 | 8 |
| 6.List the advantages of Business Process Automation. | | |
| IV | 7.List the cyber security threats. | | | L4 | | 1,2,3 | 1,3,4 | 5 |
| 8. List the anti-virus softwares. | | |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (Skill Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Civil Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (Skill Test) | I | | Sem | I | Date : 24/06/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1. Create the webpage to display Poem. | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |
| 1. Create the webpage for recipe or travel book | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |
| 1. Create the webpage for wish list. | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |
| 1. Create the webpage for awesome animals. | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (Skill Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Civil Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (Skill Test) | II | | Sem | I | Date : 10/08/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 20marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1 Create a simple game using SCARTCH | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |
| 2 Create a simple Android app using MIT APP INVENTOR | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |
| 3 Create a simple web page for simple calculator | | | | L3/l4 | | 1,2,3 | 1,2,3 | 20 |

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INS - FORMAT-14

CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Computer Science &Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (Skill Test) | III | | Sem | I | Date : 18/12/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 20 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1 Create the webpage for l dashboard | | | | L3/l4 | | **1,2,3** | **1,2,3** | 20 |
| 2 Create the webpage to display advantages of business process automation | | | | L3/l4 | | **1,2,3** | **1,2,3** | **20** |
| 3 create workflow for diploma admission process | | | | L3/l4 | | **1,2,3** | **1,2,3** | **20** |
| 4 create a personal webpage | | | | L3/l4 | | **1,2,3** | **1,2,3** | **20** |

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|  | GOVERNMENT OF KARNATAKA  Department of Collegiate and Technical Education  **PRIVATE POLYTECHNIC, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | Form No: |
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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

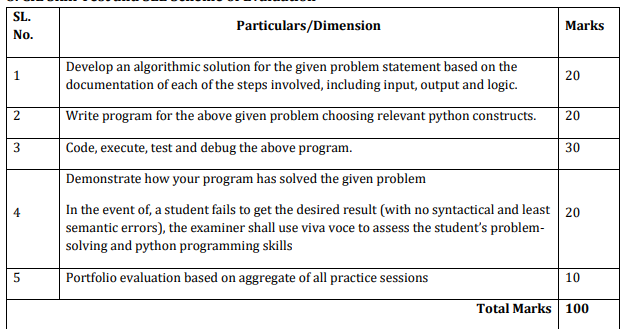
CIE (Skill Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Computer Science &Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | Python programming | CIE (Skill Test) | I | | Sem | III | Date : 24/11/2022 | |
| Course Code | 20CS31P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1.Write a python program to create all possible strings by using ‘a’,’e’,’i’,’o’,’u’. use the character exactly once. | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | 100 |
| 1. Write a python program to print the calendar of a given month and year | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to build a grading system based on marks. | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to display all prime numbers with in a range | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to create a tuple ,find the length of a tuple and reverse a tuple . | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to find even numbers from a list. | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to reverse each string in tuple. | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to create dictionary and perform copy ,popitem,add item,remove item from dictionary | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |
| 1. Write a python program to create an array of 5 integers, display and access individual elements through index. | | | | **L3/l4** | | 1,2,3,4 | 1,2,3,4 | **100** |

Scheme of Evaluation



**Signature of Paper Setter Scrutinised by Approved by IQAC Chairmen Signature of the Principal with seal**

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|  | GOVERNMENT OF KARNATAKA  Department of Collegiate and Technical Education  **PRIVATE POLYTECHNIC, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | Form No: |
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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

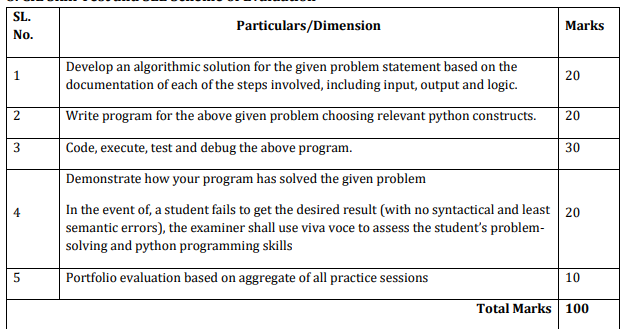
CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Computer Science &Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | Python programming | CIE (Skill Test) | II | | Sem | III | Date : 12/1/2022 | |
| Course Code | 20CS31P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1. Write a python program to perform mathematic function | | | | L3/l4 | | 4 | 1,4 | 100 |
| 2. Write a python program to print Fibonacci series using iteration | | | | L3/l4 | | 4 | 1,4 | 100 |
| 3. Write a pandas program to join the two given data frames along rows and assign all data. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 4. Write a pandas program to append text to a file and display the text. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 1. Write a python program to read an entire text file. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 1. Write a python program to perform factorial of N numbers. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 1. Write a numpay program to concatenate two dimension array | | | | L3/l4 | | 4 | 1,4 | 100 |
| 1. Write a python program to count the frequency of words in a file | | | | L3/l4 | | 4 | 1,4 | 100 |

**Scheme of evaluation**



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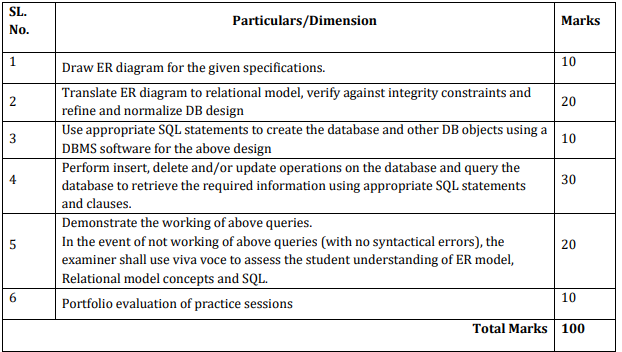
INS - FORMAT-14

CIE (Skill Test) Format

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Computer Science &Engg., Academic Year : 2022 – 23

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | DATABASE SYSTEM AND PL/SQL | CIE (Skill Test) | I | | Sem | III | Date : 25/11/2022 | |
| Course Code | 20CS34P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1 create a student table using constraints .Perform insert,where(and,or), like | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 2 create a student table using constraints .Perform insert,where(and,or), like,in ,between,intersect. | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 3 create a location table using constraints .Performinsert, alter(add column[region\_id,country\_id],add primary key ),drop primary key. | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 4 create a student table using constraints .Perform alter(add column[total,percentage]),find the value of newly added column using update. | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 5 create a student table using constraints .Perform insert,aggregate function,group by, union. | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 6 create a student table using constraints .Perform insert,where(and,or), order by,minus,union all. | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 7 create a employee table using constraints .Perform insert,alter(rename,modify,rename column),join | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |
| 8 create aemployee table using constraints .Perform insert, insert,alter(add column), update,join | | | | L3/l4 | | 1,2,3,4 | 1,2,3,4 | 100 |



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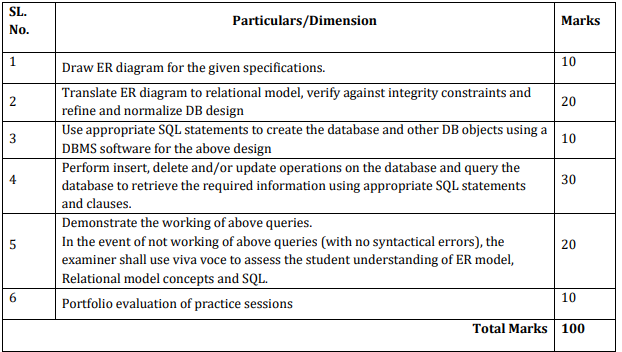
INS - FORMAT-14

CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Electrical & Electronics Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | DATABASE SYSTEM AND PL/SQL | CIE (Skill Test) | II | | Sem | III | Date : 12/1/2022 | |
| Course Code | 20CS34P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1 create a student table.Perform insert,alter(rename,modify,rename column), any,some, exists | | | | L3/l4 | | 4 | 1,4 | 100 |
| 2 create a consumers table.Perform insert,alter(rename,modify,rename column),display the total number of rows in above table using PL/SQL. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 3 perform commit,rollback ,savepoint.consider any table as reference, do insertion operation to it. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 4 how to create user .perform the granting privileges and revoke it .alteast 3 privileges | | | | L3/l4 | | 4 | 1,4 | 100 |
| 5 create table view. Perform drop view, update view. | | | | L3/l4 | | 4 | 1,4 | 100 |
| 6 perform the comparator ,sql operators, consider any table as reference, do insertion operation to it. | | | | L3/l4 | | 4 | 1,4 | 100 |
| Write the PLSQL program to find maximum number from two number. Create procedure in plsql and execute it | | | | L3/l4 | | 4 | 1,4 | 100 |



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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | OPERATING SYSTEM AND MANAGEMENT | CIE (written Test) | I | | Sem | III | Date :04 /07/2022 | |
| Course Code | 20CS42P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Course Outcome | | Cognitive Levels | Program Outcome | Marks |
| I | 1. a) What is an operating system?  b)What are the uses of the Operating System | | | 1 | | R | 1,7 | 2+4=6 |
| 2. a) What is a Path Name.  b) List the types of Operating Systems | | | 3 | | 1,7 |
| II | 3.a) Explain the concept of Virtualization  b) Explain the state transition diagram of a process. | | | 2 | | U | 1,7 | 4+5=9 |
| 4. a) What are the different operations that can be performed on a process.  b) Write the text processing commands, file types,File attributes, adding text to file. | | | 4 | | 1,7 |
| III | 5. Illustrate the commands related to file permissions. | | | 3 | | A | 1,7 | 7 |
| IV | 6. Analyze whether the following transitions between process states are possible or not. Give reasons a) Running - Ready b) Running - Waiting c) Waiting - Running d) Running - Terminated | | | 4 | | A | 1,7 | 8 |
| 7.Explain process blocking and process termination | | | 2 | | 1,7 |

**Note:**

* + Question should test the Knowledge attained during the course
  + Each question may have one, two or three subdivisions.
  + Choice questions in each section must carry the same weightage of marks, Cognitive level, and course outcomes.
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-15

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | OPERATING SYSTEM AND MANAGEMENT | CIE (written Test) | II | | Sem | III | Date :01/ 08/2022 | |
| Course Code | 20CS42P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Course Outcome | | Cognitive Levels | Program Outcome | Marks |
| I | 1. a) Define automation testing, ethtool?  b) Define with an example arpwatch ,ping. | | | 1 | | R | 1,7 | 2+4=6 |
| II | 2. a) Explain steps to run shell program?  b) Write a note on input and output command . | | | 2 | | 1,7 | 4+5=9 |
| 3. a) With a simple example, write the scripts for any decision making statements.  b) Define with syntax command to view memory consumption. | | | 4 | | U | 1,7 |
| III | 4. Define with syntax Network components IP address, subnet mask, gateway | | | 3 | | A | 1,7 | 7 |
| IV | 5. Writing scripts to automate common task. | | | 4 | | A | 1,7 | 8 |

**Note:**

* + Question should test the Knowledge attained during the course
  + Each question may have one, two or three subdivisions.
  + Choice questions in each section must carry the same weightage of marks, Cognitive level, and course outcomes.
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-16

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | OPERATING SYSTEM AND MANAGEMENT | CIE (written Test) | III | | Sem | III | Date : 09/09/2022 | |
| Course Code | 20CS42P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Course Outcome | | Cognitive Levels | Program Outcome | Marks |
| I | 1. a) define DNS ,LDAP.  b)write with sytanx and example for useradd ,groupadd. | | | 1 | | R | 1,7 | 2+4=6 |
| II | 2. a) Explain usermod,groupmod,passwd.  b) write with syntax system monitoring commands | | | 2 | | U | 1,7 | 4+5=9 |
| 3. a) how to transfer a file using FTP.  b) Explain free command. | | |
| III | 4. a) Explain linux boot process and run levels ?  b) Define with syntax command to view memory consumption. | | | 3 | | A | 1,7  1,7 | 7 |
| 5. Explain Linux boot process and run levels ? | | |
| IV | 6. give reason for following commands a) shutdown -h b) shutdown -r 10 c) halt -l d) sudo telinit 6 | | | 4 | | A | 1,7 | 8 |
| 7. Discuss yum and rpm with its option. | | |

**Note:**

* + Question should test the Knowledge attained during the course
  + Each question may have one, two or three subdivisions.
  + Choice questions in each section must carry the same weightage of marks, Cognitive level, and course outcomes.
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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INS - FORMAT-17

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2021 – 22

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (written Test) | I | | Sem | II | Date : 24/06/2022 | |
| Course Code | 20CS01P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1. a.what is an algorithm ? write the algorithm for addition of two number. b.Define flowchart?write the flowchart for addition of two number. | | | R/U | | 1,2 | 1,4,7 | 5+5=10 |
| 2. a) Write the flowchart for largest of 3 number.  Write the algorithm to find largest of 3 number | | | R/U | | 1,2 | 1,4,7 |
| II | 3. a. Define a)web page b)web browser c)website d)WWW e)URL b. Describe the general structure of HTML? | | | A/A | | 1,2 | 1,4,7 | 5+5=10 |
| 4. a. List any six example of web browser? b. list and explain the types of web pages | | | A/A | | 1,2 | 1,4,7 |

**Note:**

* + Question should test the Knowledge attained during the course
  + Each question may have one, two or three subdivisions.
  + Choice questions in each section must carry the same weightage of marks, Cognitive level, and course outcomes.
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-18

CIE (written Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code : 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2021 – 22

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (written Test) | II | | Sem | III | Date : 9/09/2022 | |
| Course Code | 20CS01P | Duration | 80 mins | | Marks | 30 | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Section | Assessment Questions | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| I | 1 a). What is business process automation? Write the advantages of business process automation.  b). What is IOT?Explain the working of IOT? | | | R/U | | 3,4,5 | 1,4,7 | 5+5=10 |
| 2 a) What is cyber security threats? List the cyber security threats?  b). What is workflow?write workflow diagram for diplomo admission process. | | | R/U | | 3,4,5 | 1,4,7 |
| II | 3.a) Write a example for smart home, smart city ,smart farming  b). What is cloud services?Give the example for cloud services. | | | A/A | | 3,4,5 | 1,4,7 | 5+5=10 |
| 4. a). Write the condition to follow to create a password?  b).With an example, explain how to use IFRAME tag? | | | A/A | | 3,4,5 | 1,4,7 |

**Note:**

* + Question should test the Knowledge attained during the course
  + Each question may have one, two or three subdivisions.
  + Choice questions in each section must carry the same weightage of marks, Cognitive level, and course outcomes.
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: COMPUTER SCIENCE & Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (Skill Test) | I | | Sem | II | Date : 6/07/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1. Create a simple gaming app using SCARTCH . | | | | U/A | | 1,2 | 1,4,7 |  |
| 2. Create a simple web page using iframe,style,table. | | | | U/A | | 1,2 | 1,4,7 |  |
| 3. Create a simple web page using list,image,paragraph,span tags. | | | | U/A | | 1,2 | 1,4,7 |  |
| 4. Create a simple web page using formatting tags. | | | | U/A | | 1,2 | 1,4,7 |  |

Note:

* + Question should test the skill attained during the course
  + Skill test must be conducted for 100 marks
  + Number of questions are as mentioned in the curriculum
  + Questions should be at same cognitive level as that of SEE
  + Use the same scheme of valuation as that of SEE
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Electrical & Electronics Engg., Academic Year : 2022 – 23

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Course Name | ITSKILL | CIE (Skill Test) | II | | Sem | II | Date : 23/7/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question . | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1. Create a simple web page for simple calculator | | | | **A** | | 1,2 | 1,4,7 |  |
| 2. Create a simple web page for awesome animals using image,list , table tags. | | | | **A** | | 1,2 | 1,4,7 |  |
| 3. Create a simple web page for recipe using list ,anchor ,iframe. | | | | **A** | | 1,2 | 1,4,7 |  |
| 4. create simple android app using MIT APP INVENTOR | | | | **A** | | 1,2 | 1,4,7 |  |

Note:

* + Question should test the skill attained during the course
  + Skill test must be conducted for 100 marks
  + Number of questions are as mentioned in the curriculum
  + Questions should be at same cognitive level as that of SEE
  + Use the same scheme of valuation as that of SEE
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| Dept. CS | Faculty (Official ID): 151681 | | Phone: | |

INS - FORMAT-14

CIE (Skill Test) Format (1st & 2nd Year)

Institution Name: B.E.T.POLYTECHNIC Institution Code: 410

Name of the Program: Electrical & Electronics Engg., Academic Year : 2022 – 23

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| Course Name | ITSKILL | CIE (Skill Test) | III | | Sem | II | Date : 9/8/2022 | |
| Course Code | 20CS01P | Duration | 180 mints | | Marks | Conduct for 100 marks | | |
| Note: Answer one full question from each section. Each full question carries 10 marks. | | | | | | | | |
| Assessment Questions | | | | Cognitive Levels | | Course Outcome | Program Outcome | Marks |
| 1. Design and create a personal webpage with dashboard | | | | **U/A** | | 3,4,5 | 1,4,7 |  |
| 2. Design and create web page about advantages of business process automation with respect to your branch of engineering | | | | **U/A** | | 3,4,5 | 1,4,7 |  |
| 3. Create user account and demonstrate use of Google drive, Google docs, Google Co-lab | | | | **U/A** | | 3,4,5 | 1,4,7 |  |
| 4. Create a workflow for education loan approval in diploma admission process (Use any tool) | | | | **U/A** | | 3,4,5 | 1,4,7 |  |
| 5. Create a workflow for education loan approval in bank admission process (Use any tool) | | | | **U/A** | | 3,4,5 | 1,4,7 |  |

Note:

* + Question should test the skill attained during the course
  + Skill test must be conducted for 100 marks
  + Number of questions are as mentioned in the curriculum
  + Questions should be at same cognitive level as that of SEE
  + Use the same scheme of valuation as that of SEE
  + Institutions can modify the above format as per requirement of the course/program curriculum only after approval from IQAC

**Signature of Paper Setter Scrutinised by Approved by IQAC Chairmen Signature of the Principal with seal**