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| **CMM201: Programming Concepts for Business Analytics (Output 1)** **2019-2020**  **Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assessment Grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | |
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| **GRADE** | **A** | **B** | **C** | **D** | **E** | **F** | **NS** |
| **DEFINITION** | EXCELLENT Outstanding Performance | COMMENDABLE Meritorious Performance | GOOD  Highly Competent  Performance | SATISFACTORY Competent Performance | BORDERLINE FAIL Open To Compensation | FAIL Unsatisfactory | NON-SUBMISSION |
| **(WEIGHTING) SOURCES OF ASSESSMENT CRITERIA** | IN ALL CASES WITHIN THE LIMITS APPROPRIATE TO THE LEVEL OF STUDY ... | | | | | | |
| **(70%)**  **Code Functionality** | All the required functionalities can be performed by the five options.  The notebook/pdf/html files clearly show the execution of the five options by means of a “main” programme. | Most of the required functionalities can be performed by the five options, or one of the functions doesn’t work properly.  The notebook/pdf/html files show the execution of the five options by means of a “main” programme. | Two out of the five options don’t work properly.  The notebook/pdf/html files show some execution of the five options by means of a “main” programme to a certain extent. | Three out of the five options don’t work properly.  The notebook/pdf/html files show some the execution of the five options by means of a “main” programme, or this section does not work properly. | One of the functions shows some functionality.  A “main” programme has not been implemented. | No functionality is shown by the five options.  A “main” programme has not been implemented. | No functionality has been implemented. |
| **(30%)**  **Questions** | All questions are fully answered in a clear and concise manner. Problems are analysed correctly using effective examples. There is a critical discussion of the findings, and a research is undertaken using appropriate sources. | Questions are answered mostly in a clear and concise manner. Problems are analysed mostly correctly with some examples. There is a discussion of the findings, and some research is undertaken using appropriate sources. | Questions are answered in some manner. Problems are analysed with examples. There is a discussion of the findings, and some research is undertaken using some sources. | Questions are answered in a barely appropriate manner. Problems are not analysed and no examples are provided. There is barely a discussion of the findings, and some research is undertaken using some sources. | Questions are answered, but not in an appropriate manner. Problems are not analysed and no examples are provided. There is no a discussion of the findings, and no research is undertaken using inappropriate or incorrect sources. | Questions are answered ineffectively and with no examples or discussion. | No questions have been answered. |

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| **CMM201: Programming Concepts for Business Analytics (Output 2)** **2019-2020**  **Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assessment Grade \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | | |
|  | | | | | | | |
| **GRADE** | **A** | **B** | **C** | **D** | **E** | **F** | **NS** |
| **DEFINITION** | EXCELLENT Outstanding Performance | COMMENDABLE Meritorious Performance | GOOD  Highly Competent  Performance | SATISFACTORY Competent Performance | BORDERLINE FAIL Open To Compensation | FAIL Unsatisfactory | NON-SUBMISSION |
| **(WEIGHTING) SOURCES OF ASSESSMENT CRITERIA** | IN ALL CASES WITHIN THE LIMITS APPROPRIATE TO THE LEVEL OF STUDY ... | | | | | | |
| **(70%)**  **Code Functionality** | All the required functionalities can be performed by the six options.  The notebook/pdf/html files clearly show the execution of the five options by means of a “main” programme. | Most of the required functionalities can be performed by the five options, or two of the functions doesn’t work properly.  The notebook/pdf/html files show the execution of the five options by means of a “main” programme. | Three out of the six options don’t work properly.  The notebook/pdf/html files show some execution of the five options by means of a “main” programme to a certain extent. | Four out of the six options don’t work properly.  The notebook/pdf/html files show some the execution of the five options by means of a “main” programme, or this section does not work properly. | One of the functions shows some functionality, but not the rest.  A “main” programme has not been implemented. | No functionality is shown by the five options.  A “main” programme has not been implemented. | No functionality has been implemented. |
| **(30%)**  **Questions** | All questions are fully answered in a clear and concise manner. Code is used to support statements. There is a critical discussion of the findings, and a research is undertaken using appropriate sources. | Questions are answered mostly in a clear and concise manner. Some code is used to support answers. There is a discussion of the findings, and some research is undertaken using appropriate sources. | Questions are answered in some manner. Minimum code is used to support answers. There is a discussion of the findings, and some research is undertaken using some sources. | Questions are answered in a barely appropriate manner. No code is used to support answers. There is barely a discussion of the findings, and some research is undertaken using some sources. | Questions are answered, but not in an appropriate manner. No code is used to support answers. There is no a discussion of the findings, and no research is undertaken using inappropriate or incorrect sources. | Questions are answered ineffectively and with no code or discussion. | Not questions have been answered. |