**Marking Scheme:**

**Task 1: Creating the SAS data set (20%)**

**≤40%** - Minimal attempt

**40%** - Data sets created, however, some data missing.

**50%** - Some data sets created with no data missing. No use of commenting to explain the code and method described in report

**60%** - All data sets created with no data missing. Minimal use of commenting to explain the code as well as method justified in report.

**≥70%** - All data sets created with no data missing. Efficient use of commenting to explain the code as well as method justified in report.

**Task 2: Meeting the needs of the Year manager (15%)**

**≤40%** - Minimal attempt. Unable to express requirements in SAS

**40%** - Output created for this user but it is not complete. Reports lack understanding of user needs

**50%** - Output created for this user that meets the needs of the user. No use of commenting to explain the code and minimal written report.

**60%** - Output created for this user that shows an understanding of the needs of the user. Minimal use of commenting to explain the code as well as a justified written report.

**≥70%** - Output created for this user that shows an exceptional level of understanding of user needs. Efficient use of commenting to explain the code as well as thoroughly justified written report.

**Task 3: Meeting the needs of the Course Leader (15%)**

**≤40%** - Minimal attempt. Unable to express requirements in SAS

**40%** - Output created for this user but it is not complete. Reports lack understanding of user needs

**50%** - Output created for this user that meets the needs of the user. No use of commenting to explain the code and minimal written report.

**60%** - Output created for this user that shows an understanding of the needs of the user. Minimal use of commenting to explain the code as well as a justified written report.

**≥70%** - Output created for this user that shows an exceptional level of understanding of user needs. Efficient use of commenting to explain the code as well as thoroughly justified written report.

**Task 4: Meeting the needs of the Department head (20%)**

**≤40%** - Minimal attempt. Unable to express requirements in SAS

**40%** - Output created for this user but it is not complete. Reports lack understanding of user needs

**50%** - Output created for this user that meets the needs of the user. No use of commenting to explain the code and minimal written report.

**60%** - Output created for this user that shows an understanding of the needs of the user. Minimal use of commenting to explain the code as well as a justified written report.

**≥70%** - Output created for this user that shows an exceptional level of understanding of user needs. Efficient use of commenting to explain the code as well as thoroughly justified written report.

**Task 5: Report (15%)**

**≤40%** - for a minimal attempt at the coursework and no relationship to code/results

**40%** - for a basic answer, showing little effort and little understanding and some relationship to code/results

**50%** - for an average answer, showing some effort and some understanding and some relationship to code/results

**60%** - for a good answer, showing pride in workmanship, good effort and good understanding and matches code and results

**≥70%** - for an excellent answer, showing pride in workmanship, excellent effort and excellent understanding and matches code and results

**Task 6: Viva (15%)**

**≤40%** - Code doesn’t run and has no knowledge or understanding of the code

**40%** - Code runs with errors and has little knowledge but no understanding of the code

**50%** - Code runs with some errors and is able to explain the error. Has an average knowledge and average understanding of the code. Demonstrates analysis for year manager.

**60%** - for a good answer, showing pride in workmanship, good effort and good understanding. Demonstrates analysis for course leader.

**≥70%** - for an excellent answer, showing pride in workmanship, excellent effort and excellent understanding. Demonstrates analysis for department head.