**Kuwait University**

**College of Engineering and Petroleum**

**Scoring Rubric for Student Outcome 1 (SO1)**

**SO1**: an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Evaluation rubric (based on a **10-point** scale) intended for calculation type problems.

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| **Score** | **Description (progressive)** |
| 0 | Not submitted (blank page). |
| 1 or 2 | Correctly identifies pertinent concepts and/or equation only. |
| 2 or 3 | Performs preliminary calculations correctly; alternatively solves the problem in a conceptually incorrect fashion. |
| 3 or 4 | Identifies broad approach correctly but fails to apply to specific problem or make significant progress towards solution. |
| 5 or 6 | Identifies broad approach and incorporates some correct elements or calculations, but solution is still largely incomplete. |
| 7 | Primary concept and broad approach are correct; some secondary concepts may be incorrect, or mathematical errors are frequent or drastic. |
| 8 | Primary and secondary concepts are correct, multiple errors in details, mathematics or units. |
| 9 | Primary and secondary concepts are correct, single mathematical error or improper units. |
| 10 | All concepts correct, methods appropriate, answer correct with proper units. |

11/2023