

B. Rubrics

This rubric can be used to give summative evaluation. Check off the appropriate column and then tally the mark for each section. Weighting can be done according to your own professional judgement.

Exercise	Below Level 1	Level 1 (50-60%)	Level 2 (60-70%)	Level 3 (70-80%)	Level 4 (80-100%)	Mark
	Not attempted	Started	Partially Done	Done	Done Well	
Exercise 1.1						
Exercise 1.2 a) - b)						
Exercise 1.3 a) - d)						
Exercise 2.1 a) - d)						
Exercise 3.1 a) - d)						
Application 3.1 1 - 6						
Exercise 4.1 a) - d)						
Exercise 4.2 a) - d)						
Exercise 5.1 a) - b)						
Application 7 1 - 5						

The following rubric can be used for any one assignment or exercise.

Rubric

Criteria	Level 1 (50-59%)	Level 2 (60-69%)	Level 3 (70-79%)	Level 4 (80-100%)
Knowledge/ Understanding Basic understanding of gear trains, speed conversion and torque.	Limited knowledge of gear trains, speed and torque.	Some knowledge of gear trains, speed and torque.	Considerable knowledge of gear trains, speed and torque.	Thorough knowledge of gear trains, speed and torque.
Problem Solving /Thinking/Inquiry Use of processing skills & strategies (e.g., analyzing, interpreting, recording, evaluating, forming conclusions) Use of critical/creative thinking processes (e.g., problem solving, decision making, scientific inquiry)	Uses processing skills & strategies with limited effectiveness Uses critical/creative thinking processes with limited effectiveness	Uses processing skills & strategies with some effectiveness Uses critical/creative thinking processes with some effectiveness	Uses processing skills & strategies with considerable effectiveness Uses critical/creative thinking processes with considerable effectiveness	Uses processing skills & strategies with a high degree of effectiveness Uses critical/creative thinking processes with a high degree of effectiveness
Application Able to apply concepts and theories to new situations.	Limited ability to apply concepts and theories to new situations.	Able to apply concepts and theories to new situations with some effectiveness	Able to apply concepts and theories to new situations with considerable effectiveness	Able to apply concepts and theories to new situations with a high degree of effectiveness
Communication Expression and organization of ideas & information (e.g., clear expression, logical organization) in oral, visual, and/or written forms	Expresses and organizes ideas and information with limited effectiveness	Expresses and organizes ideas and information with some effectiveness	Expresses and organizes ideas and information with considerable effectiveness	Expresses and organizes ideas and information with a high degree of effectiveness