

Cape Cod Community College AMTS

Curriculum Subject Guide for AMT 115 General Curriculum, Subject Items 24 - 27

Part 147, Appendix B, Subject H – Mathematics

Subject: Mathematics

Item 24. Extract roots and raise numbers to a given power (Level 3)

T – 2.0 Hrs / L – 2.0 Hrs

Item 25. Determine areas and volumes of various geometric shapes (Level 3)

T – 2.5 Hrs / L – 4.0 Hrs

Item 26. Solve ratio, proportion, and percentage problems (Level 3)

T – 2.5 Hrs / L – 3.0 Hrs

Item 27. Perform algebraic operations involving addition, subtraction, multiplication and division of positive and negative numbers (Level 3)

T – 3.0 Hrs / L – 4.0 Hrs

Classroom time: 10 hours

Lab or shop time: 13 hours

Test time: 2 hours

Total Time: 25 hours

Teaching Level 3

Project 1

Item 24 – 2 Hrs

Item 25 – 4 Hrs

Item 26 – 3 Hrs

Item 27 – 4 Hrs

Theory Test 1

0.5 Hrs

Practical Test 1

1.5 Hrs

Prerequisite(s)

(1) None

Course Interruptions: All interruptions or changes in course sequence will be in accordance with the Order of Instruction policy, located in Cape Cod Community College's Operations Manual, page 17.

Items 24 - 27:

Student Performance Goal(s)

Given: College computer work station, 14 CFR Federal Aviation Regulations for Aviation Maintenance Technicians, Aviation Maintenance Technician Handbook – General, Volume 1 (FAA-H-8083-30)

Performance: Complete the following NIDA Corporation Computer Assisted Instruction courses in sequence with instructor guidance.

(1) 2015-05-27 Fundamentals of Aviation Technology HTML Lessons

Standard: Complete all NIDA course lessons and score 100% on course quiz

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