

Robotics Video Series Quiz Assignment

Your assignment is to help develop a battery of exam questions to be used as a study quiz for the Robotics Video Series. While watching the video episodes write down some stems to possible test questions. You'll refine them later. You must use the criteria below to develop your questions:

1. Develop TWO multiple choice questions for each episode.
2. Include four possible answers for each question.
3. Identify the episode from which the question comes.
4. Your assignment must be word processed and turned in on disk and paper.
5. Use the following format for developing your exam.

Robotics Video Series Study Quiz

Your Name
Robotics Technology
Period and Date

EPISODE NAME

1. Put the stem of the multiple choice question here
 - a. First possible answer.
 - b. Second possible answer.
 - c. Third possible answer. Underline the correct answer
 - d. Forth possible answer.

Experience has shown that tests are most effective when each question is written concisely, addresses a specific learning objective, and contains only one correct answer. In addition, examine each of the multiple choice answers to insure that they cannot be confused with the correct answer. Do not assume that a question which is obviously correct to you is equally obvious to another student. Follow these guidelines when developing your question bank:

- Base the test questions exclusively on the video.
- Avoid paraphrasing segments of the video. Stick to the same words and phrases used in the episode.
- Design each question to measure a relevant learning objective. Do not create questions to simply test if the viewer was paying attention. Avoid unimportant details, unrelated bits of information and irrelevant material.
- Present a single and clearly formulated problem in the stem of the question. Use clear and simple language. Avoid test questions with verbose and complex sentences.
- State the stem of the question in a positive form. Positively phrased questions tend to more accurately measured learning objectives than negative ones. For example... Don't develop question stems like... Which of the following is NOT a true statement.
- Make certain the intended answer is correct or clearly best.
- Make all choices grammatically consistent with the stem of the question.
- Avoid clues that might enable a student to choose a correct answer or eliminate an incorrect one.
- Make the choices plausible and attractive to the uninformed student.
- Avoid using "all of the above" and "none of the above" as choices.
- Vary the position of the correct answer in a random manner. For example... Don't create too many "C" answers and too few "A" answers.
- Make each question independent of the others. Avoid giving "tips".