



PORTAFOLIO DE EVIDENCIAS

2° OPORTUNIDAD EXTRAORDINARIA

INTRODUCCIÓN A LA ROBÓTICA

Nombre del estudiante: _____

Grupo: _____

Matrícula: _____ Fecha: _____

Docente: _____

El presente portafolio forma parte del 50% de tu calificación. Este valor se obtendrá siempre y cuando cumpla con los siguientes requisitos:

1. Escribe tus datos de identificación completos.
2. El portafolio se entregará en físico como requisito el día del examen.

SIGUE LAS INSTRUCCIONES BRINDADAS POR TU MAESTRO PARA EL LLENADO DE ESTE PORTAFOLIO.

¡¡¡ATENCIÓN!!!

El plagio y comercio de material académico contenido en este portafolio será sancionado en los términos de la Legislación Universitaria.

This portfolio accounts for 50% of your grade. This grade will be awarded provided you meet the following requirements:

- Handwritten with good presentation (neatness and spelling)
- Completed in full with all the correct answers.
- Complete identification information.
- Delivery will be made only within the requested time frame.
- Definitions of the concepts must be taken from the UANL textbook *Introduction to Robotics*, not from the internet or other books.
- Study the portfolio for your exam.
- See the end of this guide for the complete requirements and the rubric for the portfolio you are required to submit.
- Photos are taken and each page is merged into a single PDF file.

Stage 1. Ropic's graphic environment.

Define the following terms:

1. Options menu:
2. Delete commands:
3. Button area:
4. Download:
5. Run:
6. Stop:
7. www:
8. Exit:

9. What are the buttons in the COMMAND AREA?:

10. Programming Department:

11. Navigation bars:

12. New:

13. Chips:

14. DC Motor:

15. Servo:

16. Voice:

17. Dot Matrix:

18. ON:

19. OFF:

20. Variable:

21. Calculate:

22. Delay:

23. While:

24. Break:

25. Loop:

26. IF Else:

27. IR Remote Control 5:

28. IR Remote Control 8:

29. Bluetooth R/C 12:

30. Bluetooth R/C 10:

31. Contact SW:

32. Rand:

33. IR Sensor:

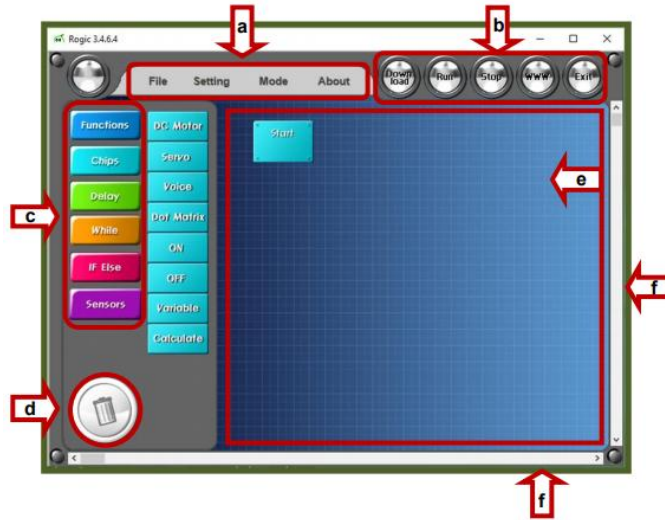
34. Magnetic:

35. PIR Sensor

36. Tilt Sensor:

37. Color Sensor:

Identify the general elements of the Rogic screen. Carefully examine the following elements, and after analyzing the information, answer the questions as asked.



38. From the images shown above, identify the option that shows the options menu and the button area.

39. From the images shown above, identify the option that shows the command area and the “Clear Commands” button.

40. From the images shown above, identify the option that shows the programming area and the navigation bars

Stage 2. Sequential programming structures.

41. Sensors:

42. Controller:

43. Actuators:

44. Input devices:

45. Processing devices:

46. Output devices:

47. Sequential programming:

48. Conditional programming

49. Cyclic programming:

50. Kinematics:

51. Joints:

52. Rotational joint;

53. Linear Joint:

54. Link:

55. Degrees of freedom:

56. Direct-current motor:

57. Operating voltage:

58. Operating current:

59. Speed:

60. Torque:

61. Speed control:

62. Servomotor:

63. LED:

64. Buzzer:

65. On:

66. Off:

Stage 3. Sequential programming structures.

67. Conditional structure:

68. Simple conditional structure:

69. Compound or double conditional structure:

70. Multiple or nested conditional structure

71. If else:

72. Sensor:

73. Sensor IR:

74. Contact Switch:

Stage 4. Conditional programming structures

75. Cyclic structure:

76. While:

77. Loop:

78. Break:

PORTFOLIO OF EVIDENCE FOR A SECOND CHANCE.

- ✓ Answer the questions from the Introduction to Robotics course.
- ✓ The concept must include its full definition.
- ✓ Each term must include its definition as found in the textbook (NOT from the internet or a dictionary).
- ✓ Handwritten, with legible and neat handwriting.
- ✓ Include a cover page with complete identifying information (course, semester, section, student's last name, teacher's name, date).
- ✓ Submissions must be made only on the specified date and time. **Note:** Assignments submitted without complete identification information, or at any other time at the **DECA department, WILL NOT BE ACCEPTED.**
- ✓ Please note that the portfolio will be worth 50 points if it meets all the requirements listed above; these points will be added to the score from the make-up exam, which will be weighted at 100%.

STUDENT:
STUDENT NUMBER:
GROUP:
TEACHER:

STAGES:	PORTFOLIO. (✓)
STAGE 1	
STAGE 2	
STAGE 3	
STAGE 4	

Signature.

	VERY GOOD SCORE: 50 POINTS.	GOOD LEVEL: 35 POINTS.	SUFFICIENT LEVEL: 25 POINTS.	INSUFFICIENT LEVEL: 15 POINTS.
Incorporates the concepts from stages 1, 2, 3, and 4 as required and defines them correctly .	The student incorporates the concepts from stages 1, 2, 3, and 4.	The student incorporates the concepts from stages 1, 2, and 3.	The student Incorporates the concepts from stages 1 and 2 as requested.	The student applies the concepts from Stage 1.
The definitions match those found in the textbook.	All concepts have been defined correctly, using the definitions from the textbook.	Almost all the concepts are defined correctly and are taken mostly from the textbook.	Just a few concepts defined correctly and a few taken from the textbook .	Most of the concepts are not defined correctly and are not taken from the textbook.
He created it by hand, with the concepts written down as requested in the activity .	Handcrafted using the concepts written down as requested in the activity.	It is handcrafted, and the written concepts cover most of what was requested in the assignment.	It is handcrafted, and the written concepts address some of the requirements of the activity.	It was done by hand, and the written concepts do not meet the requirements of the assignment.
The student included a cover page with the requested information and was submitted on time.	The student included a cover page with the requested information and was submitted on time.	The student includes a cover page with the requested information and was delivered on time.	The student includes a cover page with the requested information and was delivered on time.	The student includes a cover page with the requested information and was delivered on time.

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