LEGO® MINDSTORMS® Courses Quiz

Robots Got Talents 2019, 2020

PERSONAL INFORMATION:

FULL NAME	
COURSE NAME	
ORGANIZATION NAME	
COUNTRY	
DATE	

TEACHER AREA:

FINAL MARK /20	

THIS QUIZ IS **9 QESTIONS** AND **4 PAGES** , THIS QUIZ IS JUST TO TEST YOUR INFORMATION FROM THE COURSE. AFTER ALL PARTCIPANTS FINISH THE QUIZ THE TEACHER MAY USE THE ANSWER SHEET TO GIVE YOU THE ANSWERS.

QUIZ DUARATION: 30 MINUTES

ROBOTS GOT TALENTS

PART ONE (ROBOTICS)

1- How many characteristics a machine should have to be counted as a robot?
Circle Only One Choice

2 **4** **6** **All Machines are robots**

2- Mention and Explain One of them

3- Give some examples of Robots Uses:
You must mention a minimum of 2 uses

4- This Robot Could be used in field of:
Circle the correct answer

Astronomy (space)

Industry (manufacture)

Military

FOR MINDSTORMS EV3 USERS:

Skip to the next if using NXT

5- Name The electronic component that controls the operation of the robot by the following instructions contained in the stored program in Mindstorms Robots.

_____

_____

_____

6- How many sensors ports are in the EV3 Brick?

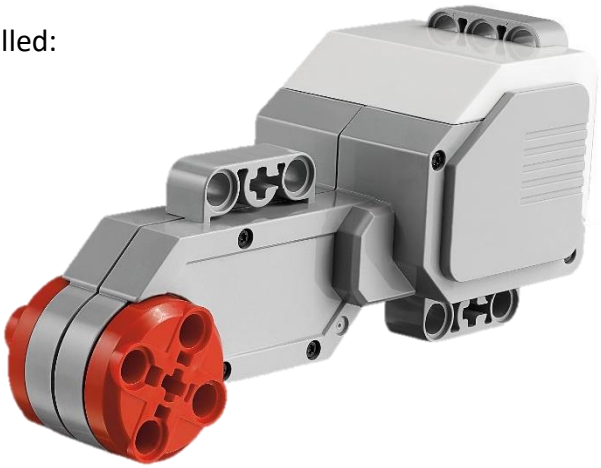
_____

_____

_____

_____

7- This Component is called:
Circle Only One Choice



EV3 LARGE MOTOR **EV3 MEDIUM MOTOR** **EV3 TOUCH SENSOR** **NXT MOTOR**

FOR MINDSTORMS NXT USERS:

Skip to the next if using EV3

5- Name The electronic component that controls the operation of the robot by the following instructions contained in the stored program in Mindstorms Robots.

6- How many motor ports are in the NXT Brick?

7- This Component is responsible for:
Circle Only One Choice

MEASURING SOUND

SENDING AND RECEIVING SOUND WAVES

RECOGNIZING COLOUR

MEASURING TEMPERATURE

PART TWO (MINDSTORMS PROGRAMMING)

8- This group is called:

Action Blocks **Flow Blocks** **Sensor Blocks** **Advanced Blocks**

PORTS:
[B=right motor, C=left motor, A= arm and D=claw]

9- Explain the blocks above: