

TOTAL MARKS

/ 10

CDI / Pop Quiz 1 / Grade 12 Advanced

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Term 3 (2018 – 19)



UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

Pop Quiz 1

Q2: What are the three battle strategies?

- 1- ...the answer in the pages from 65 – 88.....
- 2-
- 3-


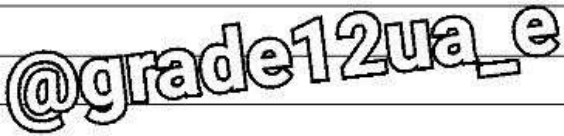
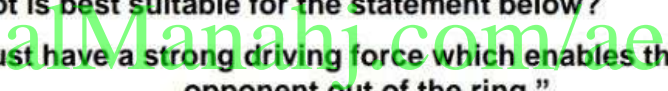
Q3: what are the types of robots?

- 1- ...the answer in the pages from 65 – 88.....
- 2-

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Pop Quiz 1

| Grade | 12 ADVANCED | Chapter / Section | 2.1 – Introducing SumoBot |
|--------------|---|-------------------|---|
| Student Name | | Class | |
| Date | | | |
| 1 | The image in Fig. 1 shows _____ robot. | |  <p>Fig. 1</p> |
| | A | humanoid | |
| | B | PC control | |
| | C | poses | |
| | D | radio controlled | |
| 2 | _____ robot controls itself using microcontroller, sensors, and other devices. | |  |
| | A | Autonomous | |
| | B | Direct control | |
| | C | Entertainment | |
| | D | Wireless | |
| 3 | Which kind of robot is best suitable for the statement below? "The robot must have a strong driving force which enables the robot to push its opponent out of the ring." | |  |
| | A | Aerospace robot | |
| | B | Bulky robot | |
| | C | Intelligent robot | |
| | D | Slim robot | |
| 4 | Which kind of robot is best suitable for the statement below? "The size of the robots is smaller and lightweight so it can easily flick the opponent off." | | |
| | A | Consumer robot | |
| | B | Fast robot | |
| | C | Intelligent robot | |
| | D | Soccer robot | |
| 5 | Which of the following part should be added to strengthen the design of robot chassis? | | |
| | A | bumper | |
| | B | castor | |
| | C | suspension | |
| | D | wheels | |



Pop Quiz 1

| | | |
|-------------|--|--|
| 6 | Which of the following type of wheels are suitable for best traction in SumoBots? | |
| | A | large |
| | B | medium |
| | C | small |
| 7 | _____ sensors in SumoBot are used to detect the location of the opponent. | |
| | A | Pressure |
| | B | Proximity |
| | C | Sound |
| 8 | _____ sensors in SumoBot are used to detect the edge of the ring. | |
| | A | Acceleration |
| | B | Distance |
| | C | Light |
| 9 | Touch sensors can detect - | |
| | A | Infrared light. |
| | B | sound and returns a voltage proportional to the sound level. |
| | C | the presence of a nearby object within a given distance, without any physical contact. |
| 10 | _____ signal is transmitted over invisible radio waves instead of wires. | |
| | A | Light |
| | B | Sound |
| | C | Voltage |
| D | | Wireless |
| TOTAL MARKS | | / 10 |

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