

Name: _____

This test is written by Connor Dudarchik for Team 1559, Devil-Tech, and made for the FRC 2015 game. Note that it is expected that you will not know all the answers, and some questions are much more obscure and specific than others.

1. What is the name of the 2015 FRC game?
2. Which of these are not game pieces?
 - a. Litter
 - b. Totes
 - c. Game Balls
 - d. Recycle Containers
3. How many alliances and teams per an alliance are there?
 - a. Two alliances, three teams
 - b. Two alliances, two teams
 - c. Three alliances, three teams
 - d. Three alliances, two teams
4. How long is the build season?
5. What are the main positions of the drive team?
 - a. Coach, Pilot, Co-Pilot, Human Player
 - b. Captain, Co-Coach, Pilot, Human Player
 - c. Captain, Coach, Pilot, Co-Pilot
 - d. Coach, Co-Coach, Pilot, Co-Pilot
6. Which of these is not a place that totes are located at the start of a match?
 - a. Auto Zones
 - b. Landfill Zones
 - c. The Step
 - d. Staging Zones
7. How long is the autonomous period?

8. Which game pieces are manipulated during the autonomous period?
 - a. Recycling containers and litter
 - b. Yellow totes and gray totes
 - c. Yellow totes and litter
 - d. Recycling containers and yellow totes
9. How tall is the robot allowed to be?
 - a. 60 inches
 - b. 72 inches
 - c. 78 inches
 - d. Height limits were removed - it only matters when transporting the robot
10. Which of the following mark about the center of an alliance's half of the field?
 - a. The Step
 - b. The Scoring Platforms
 - c. The Landfill Zone
 - d. The Landmark
11. Which of the following game pieces have retro-reflective material adhered to them?
 - a. Litter
 - b. Recycling containers
 - c. Yellow totes
 - d. All totes
12. Which of the following game pieces cannot be introduced by the human player?
 - a. Gray totes
 - b. Yellow totes
 - c. Litter
 - d. All of the above may be introduced
13. How are gray totes stacked in the alliance station?
 - a. 5 stacks of 3 totes
 - b. 10 stacks of 3 totes
 - c. 5 stacks of 5 totes
 - d. 10 stacks of 5 totes
14. True or False: Litter may be scored if it is placed on top of a scored recycling container but not actually placed in the recycling container.
 - a. True
 - b. False
15. How many pieces of litter does each alliance start off with?

16. How long is the teleoperated portion of the game?
17. Which of these ways is not a valid way of scoring during autonomous?
- a. Tote Set
 - b. Container Set
 - c. Stacked Container Set
 - d. Robot Set
18. When scoring with yellow totes during autonomous, where must they be scored?
19. What is the maximum number of Coopertition Points a team can earn in a match?
20. True or False: Coopertition Points do not contribute to your total points in a match.
- a. True
 - b. False
21. True or False: Yellow totes may be used to score in a stack on the Scoring Platform.
- a. True
 - b. False
22. When are the totes in a tote-only stack no longer scored for points?
- a. When there are more than four totes
 - b. When there are more than six totes
 - c. When the totes no longer fit under the backstop
 - d. They are never considered not scored, so long as the stack exists at the end of the match.
23. A Recycling Container is scored based upon how many levels the Recycling Container is up the backstop. What part of the container determines what level it is on?
- a. The logo on the container
 - b. The bottom side of the container
 - c. The highest point of the container
 - d. The lowest point of the container
24. How many levels are on the backstop?

25. Which is not a way that a litter can be scored for your team?

- a. In or on a scored Recycling Container
- b. In the landfill zone
- c. As unprocessed litter on your own side of the field
- d. As unprocessed litter on your enemy's side of the field

26. How many points is a container set worth in autonomous?

27. How many litter can be scored in a single recycling container?

28. Name an action besides stacking two totes that is worth 4 points.

29. When are coopertition points not awarded, even if a coopertition set or stack is properly made?

30. What is the maximum amount of points you can get in a single stack?

31. What are both of the logos on the Recycling Container? [Half credit available]

32. Name all the areas where totes can be found at the beginning of the match.

33. Name two conditions where a stack consisting of four totes on the step would not count for a coopertition stack. [Note that the totes are actually stacked]

34. Where can the drive team see if a coopertition stack or set has been scored for points?

35. In competitions, how is your seed determined for playoffs?
- Win/loss ratio
 - Total number of points
 - Average number of points in a match
 - OPR
36. How many points are deducted when a foul is issued?
37. Which of the following is not true?
- A team may start the match with their robot touching a yellow tote
 - An alliance may decide to not start with any yellow totes on the field
 - A human player may begin to move totes in the alliance station during autonomous
 - If a team does not show up to a match, their corresponding yellow tote is automatically removed from the autonomous period.
38. How can you instantly tell if the field is safe to enter?
39. True or False: A team may extend part of their robot onto the other side of the step
- True
 - False
40. True or False: Robots on opposite alliances may contact each other if they contact each other over the step.
- True
 - False
41. When is there a dimensional limit for the robot?
42. What are the dimensions (length and width) of the field?
43. True or False: Any Recycling Container may be used to score during autonomous.
- True
 - False
44. True or False: Litter is considered scored in a landfill zone even if the litter is not entirely within the landfill zone.
- True
 - False

45. True or False: If the field staff instruct you to enter the field even when the field is not indicated to be safe (see Question 38,) you may enter the field.

- a. True
- b. False

46. Which will award a foul?

- a. Having the driver of a team throw litter onto the field.
- b. Opening the chute door while holding a tote.
- c. Having the coach of a team open the chute door.
- d. Having the robot contact anything outside the field.

47. How heavy can the robot be?

48. What is the first tiebreaker for seeding into playoffs?

49. Describe the general pick order during alliance selection.

50. Name one reason that a match may be replayed.