



## 2022-23 Post-Secondary Winter Tournament (T2) – Pack 10

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# PACK 10

## FIRST QUARTER

### 6-Part Blitz

1. What word is used for referees in tennis and baseball?  
A: **umpire**
2. Victor Hugo's play *Le roi s'amuse* inspired what opera?  
A: **Rigoletto**
3. What law relates stress and strain and describes the force needed to compress a spring?  
A: **Hooke's** law
4. "The Moons of Jupiter" is a short story by what Nobel-Prize winning Canadian author?  
A: Alice **Munro**
5. What German mathematician first theorized the existence of transfinite numbers and is considered the founder of set theory?  
A: Georg **Cantor**
6. What device can be placed in "handheld mode" by mounting its two Joy-Con controllers on either side of it?  
A: Nintendo **Switch**

### Set of 4: Indigenous Canadians

7. Named for an article of clothing worn by Phyllis Webstad, what is the common unofficial name for the National Day for Truth and Reconciliation?  
A: **Orange Shirt** Day
8. What umbrella term coined in the 1990s is sometimes used by Indigenous people who identify with an alternative sexuality or gender identity?  
A: **two-spirit** (accept word forms)
9. Name either of the two provinces with the highest proportion of Indigenous inhabitants relative to their population.  
A: **Manitoba** OR **Saskatchewan**
10. In 1983, what Canadian-born singer-songwriter became the first Indigenous person to win an Oscar?  
A: Buffy **Sainte-Marie**

### Set of 4: Fire

11. Punished by being chained to a rock and having an eagle eat part of his liver every day, what Greek mythological figure stole fire from the gods and gave it to humans?

A: **Prometheus**

12. What space Western series, created by Joss Whedon, shares its name with a bioluminescent insect?

A: **Firefly**

13. Which alkali metal burns an intense yellow in the flame test?

A: **sodium** (accept: **Na**)

14. In what city did the Triangle Shirtwaist Factory Fire occur?

A: **New York** City (accept: **NYC**)

### Jackpot

15.

Part 1: Which organ of the human body can be affected by strabismus?

Part 2: Evaluations of this organ's function typically include cylinder and axis ratings.

Part 3: This organ experiences recurring periods of high activity beginning after 90 minutes of sleep.

Part 4: The exterior-facing part of this organ consists of the sclera, the iris, and the pupil.

A: **eyes**

### Set of 3: In the Kitchen

19. Non-stick pans are generally coated with what material?

A: **Teflon** (accept: **polytetrafluoroethylene, PTFE**)

20. What chemical reaction causes browning in food heated to about 300° Fahrenheit?

A: **Maillard** reaction

21. What "T"-word names the button on a kitchen scale that can adjust for the weight of a container by redefining the current weight as zero?

A: **tare**

### Streaks

22. Name up to all of the five largest islands in the Mediterranean Sea.

A: **Sicily, Sardinia, Cyprus, Corsica, Crete**

24. Excluding interim leaders, only three leaders of the Liberal Party of Canada have failed to ever become Prime Minister. Name up to all of them.

A: Edward **Blake**, Stéphane **Dion**, Michael **Ignatieff**

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## SECOND QUARTER

### Splits: Space Probes & Spelling

#### Space Probes

26. What was the recent NASA mission that successfully changed the orbit of an asteroid?

A: **DART** (accept: **Double Asteroid Redirection Test**)

27. In 2020, what NASA rover landed on Mars?

A: **Perseverance**

28. The Japanese Akatsuki ["ah-KAT-ski"] orbiter has extensively studied which planet's thick carbon dioxide atmosphere?

A: **Venus**

29. What space probe made a close study of Pluto in 2015?

A: **New Horizons**

#### Spelling

Spell the following words. (Note to reader: pay attention to the pronunciation guides.)

30. It's an adjective that describes a pressurized aquifer or well: spell "artesian" ["ar-TEE-zhun"].

A: **A-R-T-E-S-I-A-N**

31. It's a type of metallophone with a German-derived name: spell "glockenspiel" ["GLOCK-en-shpeel"].

A: **G-L-O-C-K-E-N-S-P-I-E-L**

32. In the feudal system, it was a person to whom vassals pledged fealty: spell "liege" ["LEEZH"].

A: **L-I-E-G-E**

33. It's a condition characterized by raised patches of dry, itchy skin: spell "psoriasis" ["sor-EYE-uh-sis"].

A: **P-S-O-R-I-A-S-I-S**

### Set of 3: Linguists

34. Who asked employees at different New York department stores to pronounce the words "fourth floor" to test how accents vary between social classes?

A: William **Labov**

35. What American linguist coined the sentence "colourless green ideas sleep furiously," and later became an MIT professor known for opposing American imperialism?

A: Noam **Chomsky**

36. What earlier American linguist claimed that the Hopi language had no concept of time, and names a linguistic hypothesis along with Edward Sapir?

A: Benjamin Lee **Whorf**

### Set of 4: North American Bridges

37. Nicknamed "Galloping Gertie", what bridge in Washington state collapsed in 1940?

A: **Tacoma Narrows** Bridge

38. What Canadian bridge, with the longest cantilever span in the world, connects its namesake city to the other side of the Saint Lawrence River?

A: **Quebec** Bridge (accept: pont de **Québec**)

39. What country contains the Bridge of the Americas, which crosses its namesake canal?

A: **Panama**

40. What bridge crosses the Abegweit Passage of the Northumberland strait, connecting New Brunswick to Prince Edward Island?

A: **Confederation** Bridge

### Set of 4: In Jail

41. In 1920, who ran for president of the United States while in prison?

A: Eugene Victor **Debs**

42. The incarceration of Piper Chapman sets up the events of what Netflix series?

A: ***Orange Is the New Black***

43. What word refers to a payment made to have someone temporarily released from jail?

A: **bail** (accept: **bond**)

44. What country's maximum security prison on Robben Island was home to inmates such as Jacob Zuma and Nelson Mandela?

A: **South Africa**

## 6-Part Blitz

45. What river gives its name to a Bronze Age civilization as well as to the country of India?

A: **Indus** River

46. D.W. Griffith's film *Birth of a Nation* is controversial for its positive depiction of what hate group?

A: **Ku Klux Klan** (accept: **KKK**)

47. Who described hope as "the thing with feathers" in an 1861 poem?

A: Emily **Dickinson**

48. What four-letter word refers to the captain of a curling team?

A: **skip**

49. On which day of the week are Orthodox Jews forbidden from doing work until sundown?

A: **Saturday** (prompt on: the **Sabbath**, **Shabbat**)

50. Rickets is most often caused by a deficiency of which vitamin?

A: Vitamin **D**

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## THIRD QUARTER

### Splits: Christmas Music & Economics

#### Christmas Music

51. According to a Christmas carol, who has a "corn cob pipe and a button nose"?

A: **Frosty** the Snowman

52. "Minuit, Chrétiens" and "Cantique de Noël" are common French titles for what Christmas carol?

A: **"O Holy Night"**

53. Who released the album *Under the Mistletoe* in 2011?

A: Justin **Bieber**

54. According to a Christmas carol, which 10th century Bohemian "looked out, on the Feast of Stephen"?

A: Good King **Wenceslas**

## Economics

55. What point in a competitive market is represented by the intersection of a supply and demand curve?

A: **equilibrium** (accept: **equilibrium** price, **equilibrium** quantity)

56. Peaks and troughs characterise the graph of what phenomenon of alternating periods of economic expansion and recession?

A: **business cycle**

57. The Phillips curve demonstrates an inverse correlation between what two macroeconomic indicators?

A: **inflation** rate AND **unemployment** rate (reject: **employment** rate)

58. Related to the Gini ["genie"] index, what curve plots the relative distribution of wealth among a population?

A: **Lorenz** curve

## Set of 5: Italian Renaissance Painters

59. Who painted several ignudi ["in-YOO-dee"] and sibyls as well as *The Creation of Adam* on the Sistine Chapel ceiling?

A: **Michelangelo** di Lodovico Buonarroti Simoni

60. What painter from Urbino decorated the Stanza della Segnatura with frescoes such as *La Disputa* and *The School of Athens*?

A: **Raphael** Sanzio da Urbino

61. Along with Carlo Carra, what 20th-century artist founded "metaphysical art" and painted *Mystery* and *Melancholy of a Street*?

A: Giorgio de **Chirico** ["KEER-ee-koh"]

62. Who painted a series of mythological paintings for Phillip II dubbed "poesie" and more famously painted the *Venus of Urbino*?

A: **Titian** (accept: **Tiziano**, Tiziano **Vecellio**)

63. What painter of *Self-Portrait as the Allegory of Painting* may have drawn her rapist as the titular Assyrian general in *Judith Slaying Holofernes*?

A: Artemisia **Gentileschi** ["jen-till-LESS-kee"] (accept: Artemisia **Lomi**)

## Jailbreak

64. What is the capital of Florida?

A: **Tallahassee**

65. Who played a homesick Irish immigrant in *Brooklyn*, Jo March in 2019's *Little Women*, and the title role in *Lady Bird*?
- A: Saoirse ["SUR-shuh"] **Ronan**
66. In medieval Japan, what word referred to military rulers who held power on behalf of the emperor?
- A: **shogun**
67. While visiting Elizabeth, what Biblical figure delivered a famous quote that begins "My Soul Magnifies the Lord", known as her Magnificat?
- A: the virgin **Mary**, mother of Jesus (accept: **Madonna**; reject: Mary Magdalene)
68. Causing occupants to swing side to side as a car quickly turns, what fictitious force acts on objects in a rotating frame of reference?
- A: **centrifugal** force
69. What coffee-making apparatus is equipped with a plunger used to filter the grounds and extract flavour?
- A: **French press**
70. What character described "Fa" as "a long, long way to run" in the song "Do-Re-Mi"?
- A: **Maria** von Trapp (prompt on: von Trapp)
71. What substance names a series of Mario games whose installments include *The Thousand Year Door*, *Colour Splash*, and *The Origami King*?
- A: **paper**
72. *The Restaurant at the End of the Universe* is the second in what series of novels by Douglas Adams?
- A: *The **Hitchhiker's Guide to The Galaxy***
73. In nature conservation, what classification refers to species that are abundant and not considered to be threatened?
- A: **least concern** (prompt on: LC)
74. The word "fax" is short for what?
- A: **facsimile**
75. Who was the first Roman emperor?
- A: **Augustus** Caesar (accept: **Octavian**)

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**FOURTH QUARTER**



## Jackpot

76.

Part 1: What country's national language uses the character "geh with upturn" to represent the "g" sound, whereas the character "geh" makes an "h" sound?

Part 2: This country is home to the pop-punk band Poshlaya Molly and the singer Jamala.

Part 3: The Dniester ["d-NEE-ster"] and Dnieper ["d-NEE-per"] rivers are some of this country's major waterways.

Part 4: Cities in this country include Zaporizhia, Kherson, and Mariupol.

A: **Ukraine**

## Set of 3: Real Things

80. Orange County was the setting of the first series in what reality TV franchise, which documents the lives of affluent middle-aged women?

A: *The **Real Housewives***

81. In video games, what does the acronym RTS stand for?

A: **real-time strategy**

82. The main characters of *Glengarry Glen Ross* all work in what industry?

A: **real estate**

## Double Jumps

83. What leader's quote "Speak softly and carry a big stick" is often seen as representative of his foreign policy?

A: **Theodore Roosevelt** (accept: **Teddy Roosevelt**) (prompt on: Roosevelt)

84. With what country did Roosevelt sign the Gentlemen's Agreement of 1907, promising non-discrimination against immigrant communities from that country in exchange for stopping further immigration?

A: **Japan**

85. The declarer's partner is called the "dummy" in what trick-taking card game, in which the four players are often labelled with cardinal directions?

A: **bridge**

86. If North opens 1 Spade, what is East's only legal bid at the 1-level?

A: 1 **No Trump** (accept: 1 **NT**)

87. Who led the NFL this season with 5,250 passing yards and 41 touchdowns as he led the Chiefs to the #1 seed in the NFC?

A: Patrick **Mahomes**

88. Who led the NFL in both receptions and receiving yards, earning first-team All-Pro honours for the first time?

A: Justin **Jefferson**

## 12-Part Blitz

89. What family travels from Oklahoma to California in search of work in *The Grapes of Wrath*?

A: **Joad** family

90. The “big” version of which letter is used to provide an asymptotic lower bound on the runtime of a program?

A: big **omega**

91. Who was the first overall pick in the 2015 NHL Entry Draft, selected by the Edmonton Oilers?

A: Connor **McDavid**

92. Thomas Keller is the head chef of what three-Michelin Star French restaurant in the Napa Valley?

A: The **French Laundry**

93. Set during the Franco-Prussian war, *Mademoiselle Fifi* and *Boule de Suif* were both written by what French master of the short story?

A: Guy de **Maupassant**

94. Who is the protagonist of *To All the Boys I've Loved Before* and its sequels?

A: **Lara Jean** Covey (prompt on: Covey)

95. What name is given to an angle that is greater than 180 degrees but less than 360 degrees?

A: **reflex** angle

96. What final capital of the Visigothic Kingdom shares its name with a city located near the Michigan-Ohio border?

A: **Toledo**

97. What word refers to a group of two successive lines in a poem?

A: **couplet**

98. What crop is also known as maize?

A: **corn**

99. How many iPhone SE generations are there?

A: **three**

100. What young adult novel by Adam Silvera tells the story of Mateo and Rufus on their last day of life?

A: ***They Both Die at the End***