



2024-25 Post-Secondary Late Fall Tournament (T1) – Pack 7

Head Editor: *Zhongtian Wang*

Writers/Editors: *Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Yadu Kukenthiran, Jenny Mao, Malhaar Moharir, Jack van Nostrand, Ryan Sharpe, Joe Su, Isaac Thiessen, Zhongtian Wang, Adrian Wong*

PACK 7

5-Part Blitz

1. Three people slowly begin to drive each other insane while locked together in a room in hell in what play by Jean-Paul Sartre?
A: **No Exit** (accept: **Huis clos**)
2. Parana, Mato Grosso, and Bahia are states in what country?
A: **Brazil**
3. What letter must be removed from a word meaning a scarcity or lack of something to get a word meaning the end of life?
A: **R** (dearth -> death)
4. What is log base 5 of 625?
A: **4**
5. On *Sesame Street*, what muppet lives in a trash can?
A: **Oscar** the Grouch

Double Jump

6. In 1960, First Nations Canadians gained the right to do what without surrendering their Indian status, a right that Quebecois women gained in 1940 and some Canadian women first gained in 1917?
A: right to **vote** (accept word forms) (accept: **suffrage**)
7. What members of Canada's population gained the vote in 2002?
A: **prisoners** (accept: **incarcerated/imprisoned** people)

Double Jump

8. What American author wrote about Anselmo, Maria, and the young soldier Robert Jordan in *For Whom the Bell Tolls*?
A: Ernest **Hemingway**
9. What English author wrote the work from which the line "do not ask for whom the bell tolls" originates?
A: John **Donne**

Set of 4

10. Popularized by journalist Joel Garreau, what term refers to a business and commercial hub located in the suburbs of a city?
A: **edge city**
11. With what operating system was Microsoft Edge first introduced in 2015?
A: **Windows 10** (prompt on: **Windows**)
12. What rock band behind songs like "One" and "Sunday Bloody Sunday" features a guitarist known as the Edge?
A: **U2**
13. What actor plays a soldier who undergoes a time loop every time he dies in the film *Edge of Tomorrow*?
A: Tom **Cruise**

Jackpot

14. Part 1: What composer wrote the symphony in which a French horn solo begins with the descending eighth notes D, C-sharp, B, then back up to a long D and long C-sharp?
15. Part 2: A famous melody by this composer begins with a long F-sharp followed by the first five notes of an ascending B-minor scale.
16. Part 3: A loud descending F, D-flat, C, B-flat horn motif begins this composer's *Piano Concerto Number 1* in B-flat minor.
17. Part 4: This composer wrote the *Manfred* symphony in addition to six numbered symphonies, the last of which is nicknamed *Pathétique*.
A: Pyotr Ilyich **Tchaikovsky** (accept: Peter **Tchaikovsky**)

Set of 3: Euphemisms

18. In a speech on February 24th, 2022, what three-word phrase did Vladimir Putin use to refer to his invasion of Ukraine?
A: **special military operation**
19. What two-word term did Chris Martin and Gwyneth Paltrow use to refer to their divorce in 2014?
A: **conscious uncoupling** (accept word forms)
20. What kind of gardening tool appears in an expression referring to forthright speech that avoids euphemisms?
A: **spades**

5-Part Blitz

21. What type of cotton-based pants originally rose to popularity for military use in tropical climates, and get their name from the Spanish word for an Asian country?
A: **chinos** (accept: **chino** pants)
22. The West Bank is named in reference to what river?
A: **Jordan** River (accept: River **Jordan**)
23. Representing the cosmic forces of creation, preservation, and destruction, what word refers to the principal trinity of gods in Hinduism?
A: **Trimurti**
24. What shadow person, who takes a vow of silence on Fridays out of respect to Yoba, lives in the sewers beneath town in *Stardew Valley*?
A: **Krobus**
25. According to a poem by Robert Frost, what two things do people think the world will end in?
A: **fire** AND **ice**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Iron & Wine

Iron

26. What two elements immediately follow iron on the periodic table, and also exhibit ferromagnetism?
A: **cobalt** (accept: **Co**) AND **nickel** (accept: **Ni**)

27. What metal gives its name to the age that ended around 1200 BC, when iron production became widespread?
A: **bronze**
28. Patented in 1856, what process involves blowing air through molten pig iron to remove impurities in the creation of steel?
A: **Bessemer** process
29. What term refers to an overload of iron in the body, which can lead to organ damage?
A: **hemochromatosis**

Wine

30. Jacob's Creek and Yellowtail are wine brands from what country?
A: **Australia**
31. Grapes that have frozen while still on the vine are used to make what sweet type of wine?
A: **ice** wine
32. What French word refers to wine that incorporates some but not all colour from the grape skins, resulting in a colour between a white wine and a red?
A: **rosé**
33. Originating in Spain and Portugal, what drink consists of spirits, red wine, and chopped fruit?
A: **sangria**

Double Jump

34. From 1284 to 1755, Corsica was ruled by what city, a rival of Venice in medieval international trade and the home of mariners such as Christopher Columbus?
A: **Genoa**
35. When Mediterranean trade declined following Ottoman expansion, Genoa shifted to what industry, becoming a European leader and facilitating Spain's religious wars?
A: investment/merchant **banking** (accept: **finance**)

Double Jump

36. What artist created Bianca Castafiore, Professor Calculus, and Captain Haddock, secondary characters in *The Adventures of Tintin*?
A: **Hergé** (accept: Georges Prosper **Remi**)
37. What country did Tintin investigate in the first installment of the series, the only installment that Hergé never released in colour?
A: the **Soviet Union** (accept: the **Union of Soviet Socialist Republics**, the **USSR**, Soviet **Russia**)

Set of 4: Snakes

38. What video game franchise includes the game *Snake Eater* as well as the character Solid Snake?
A: **Metal Gear Solid**
39. What venomous snake can be identified using the not-always-reliable rhyme "red touches yellow, kill a fellow", distinguishing it from the harmless milk snake?
A: **coral** snake
40. What fake medical cure is now a general term for a bogus medical treatment sold by a scammer?
A: **snake oil**
41. The boas, pythons, and pit vipers use their pit organs for what sense?
A: **heat** sensing/vision (accept: **thermal** sensing/vision, **infrared** radiation sensing/vision)

Set of 5: Homophonous with an Acronym

Given the definitions of an acronym and of a word pronounced the same way as that acronym, give either the acronym or the word.

- 42. An enzyme that is inhibited by many drugs used to treat high blood pressure; a hole in one in golf.
A: **ACE** OR **ace**
- 43. An organization founded after 13-year-old Carime Lightner was killed in a hit-and-run; a synonym for angry.
A: **MADD** OR **mad**
- 44. The Latin word for evening, which gives its name to various evening prayers; a theory to predict molecular geometries.
A: **vesper** OR **VSEPR**
- 45. A company co-founded by Mike Lazaridis; the outer edge of something.
A: **RIM** OR **rim**
- 46. A refrigerator drawer designed to prolong produce freshness; a bacterial DNA sequence that also names a modern gene-editing technique.
A: **crisper** OR **CRISPR**

4-Part Blitz

- 47. In 322 BC, who conquered the Nanda Empire and founded the Mauryan Empire in northern India?
A: **Chandragupta** Maurya
- 48. What symbol matches one or more instances of the preceding element in a regular expression?
A: **plus** sign (accept: **addition** sign)
- 49. The CBS panel show *After Midnight* is hosted by what comedian?
A: Taylor **Tomlinson**
- 50. What is the term for a civil wrong other than breach of contract that causes the claimant to endure loss or harm?
A: **tort**

END OF FIRST HALF

THIRD QUARTER

Splits: Songs from 2019 & Named for Explorers

Songs from 2019

- 51. In what hit does DaBaby compare himself to the titular music executive?
A: **"Suge"** ["shug"] (accept: **"Suge (Yea Yea)"**)
- 52. The lines "Seasons change and our love went cold / Feed the flame 'cause we can't let go" begin the chorus of what Post Malone song?
A: **"Circles"**
- 53. Marshmello and Bastille collaborated on what song, whose chorus states "Lately I've been thinking, I want you to be" the title quality?
A: **"Happier"**
- 54. What song features Justin Bieber singing "I'm crippled with anxiety / But I'm told it's where I'm supposed to be" after Ed Sheeran opens with the line "I'm at a party I don't wanna be at"?
A: **"I Don't Care"**

Named for Explorers

55. Which Australian state is named for a Dutch explorer?
A: **Tasmania**
56. What hotel chain is named for the colleague and brother-in-law of fur trader Médard des Groseilliers?
A: **Radisson** Hotels
57. Cape Breton Island in Nova Scotia features what scenic highway, whose namesake likely actually landed in Newfoundland in 1497?
A: **Cabot Trail**
58. What explorer gives his name to two dwarf galaxies near the Milky Way known as his large and small "clouds"?
A: Ferdinand **Magellan**

Set of 3: The Housing Crisis

59. According to many studies, such as a recent one by Demographia International, what Canadian city is the least affordable in North America?
A: **Vancouver**
60. What derisive nickname is given to people who oppose new property developments in their neighbourhoods?
A: **NIMBY** (accept: **not in my backyard**)
61. Rents have fallen in Argentina after Javier Milei's government repealed what kind of policy, which led to a decline in housing supply while it was in place from 2020 to 2023?
A: **rent control**

Jailbreak

62. Married couple Jay and Sam Arondekar inherit a mansion in what sitcom that premiered in 2021?
A: **Ghosts**
63. What novel's title character delivers a passionate reading of *Ossian* ["OSH-in"] to his unrequited love interest, Charlotte, shortly before committing suicide?
A: *The **Sorrows of Young Werther***
64. What is the y-intercept of the line $51x = 17y$?
A: $y = \mathbf{0}$ (accept: **(0, 0)**, the **origin**)
65. The Greek roots for "high" and "city" together make up the name of what landmark?
A: **Acropolis**
66. In what language are the films *Wild Strawberries* and *The Seventh Seal*?
A: **Swedish**
67. What city hosted the first of three conferences that led to Canadian Confederation?
A: **Charlottetown**
68. What are the first names of the two boys who "discover the secrets of the universe" in a 2012 young adult novel?
A: **Aristotle** AND **Dante**
69. Having held regular free elections since independence, what diamond-rich country has the highest per-capita GDP in continental sub-Saharan Africa?
A: **Botswana**
70. An installment called *Wish Tree* was created by what artist, who also helped fund Central Park's Strawberry Fields section?
A: Yoko **Ono** (accept: **Ono** Yoko)
71. What show, a sequel to an older series, premiered in 2024 and depicted the aftermath of Professor X leaving earth?
A: **X-Men '97**

72. What was the last ethnically Han ruling dynasty of China?
A: **Ming** dynasty
73. In the original version of *Pandemic*, what colour of cubes is used for infections starting in the Middle East or India?
A: **black**
74. What airline is the flag carrier of Australia?
A: **Qantas** Airways Limited
75. Siddhartha Gautama was the real name of what religious leader?
A: the **Buddha**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What quantity does the Cauchy equation calculate using the sum of empirically measured constants A, B, C, etc. over consecutive even powers of another quantity?
77. Part 2: A class of metamaterials is named for having negative values of this quantity.
78. Part 3: This quantity is equal to the square root of the relative permittivity times the relative permeability.
79. Part 4: The ratio of two of these quantities is used in Snell's law.
A: **index of refraction** (accept: **refraction index**, **refractive index**)

Streak

80. Identify up to all four kinds of animals visible in Picasso's *Guernica*.
A: **human** beings/**people/person/man** (accept: ***Homo sapiens sapiens***)
- A: **horse**
- A: **cow** (accept: **bull**, **cattle**)
- A: **bird**

Streak

82. Name up to every service branch of the American military.
A: US/United States/American **Army**
- A: US/United States/American **Navy**
- A: US/United States/American **Air Force**
- A: US/United States/American **Marine Corps** (accept: US/United States/American Army **Marines**)
- A: US/United States/American Army **Coast Guard**
- A: US/United States/American Army **Space Force**

Set of 4: Women's Tennis

85. Since the retirement of Ash Barty, what Polish star has contested Aryna Sabalenka for the top spot on the WTA rankings?
A: Iga **Swiatek** ["SHFYON-tek"]

86. In response to Margaret Court's homophobic statements, a movement has formed to rename Margaret Court Arena after what other Australian star of the 1970s?
A: Evonne **Goolagong** Cawley
87. What venue hosted the Battle of the Sexes, where Billie Jean King defeated Bobby Riggs?
A: Houston **Astrodome**
88. Who holds the record for most weeks ranked number one by the WTA and is the most recent singles player to win a grand slam?
A: Steffi **Graf**

12-Part Blitz

89. In programming, what animal names a kind of typing that treats objects based on their properties and methods, not on their actual type?
A: **duck**
90. What long stories collected in the Poetic Edda were composed by Vikings about their voyages and initially transmitted orally?
A: **sagas**
91. What homograph can mean a small handbag, able to perform under pressure, or the act of grasping something?
A: **clutch**
92. What strait is the main shipping channel between the Pacific and Indian Oceans and was historically associated with the spice trade?
A: Strait of **Malacca**
93. Bill Murray, Lorenzo Music, and Chris Pratt have all voiced what fictional character?
A: **Garfield**
94. What scientist names the constant equal to approximately 1.38 times 10 to the power of 23 joules per Kelvin?
A: Ludwig **Boltzmann**
95. What beings can be heard "on high" and "from the realms of glory" in the titles of Christmas carols?
A: **angels**
96. What is the largest island of South Korea?
A: **Jeju** Island
97. What other name is given to the Third Battle of Ypres ["EE-pruh"]?
A: Battle of **Passchendaele**
98. What is 3 to the power of 5?
A: **243**
99. In 10-pin bowling, how many strikes are required to get a perfect score of 300?
A: **12**
100. Younger than her two more popular sisters, what author wrote *The Tenant of Wildfell Hall*?
A: **Anne Bronte** (prompt on partial answers)

END OF GAME