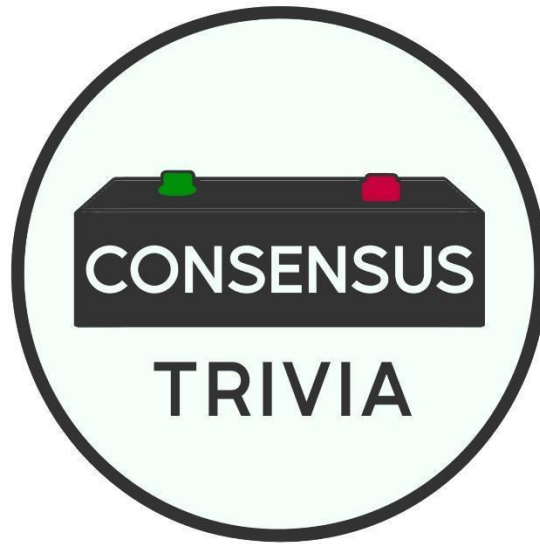




2025-26 Post-Secondary Fall Tournament (T1) – Pack 1

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PACK 1

5-Part Blitz

1. What is the biggest Canadian city that is neither a provincial nor a national capital?
A: **Montreal**
2. What food-themed nickname is given to fans of the Green Bay Packers?
A: **cheeseheads**
3. What was the largest country in Africa until 2011?
A: **Sudan**
4. What term refers to a vehicle losing traction due to a layer of water between the tires and the road?
A: **hydroplaning** (accept: **hydroplane**, **aquaplaning**, **aquaplane**)
5. What composer is known for *Daphnis et Chloé* and *Bolero*?
A: Maurice **Ravel**

Double Jump

6. The G1, S, and G2 phases of the cell cycle are collectively known by what term?
A: **interphase**
7. What tumour suppressor protein is responsible for controlling the G1 to S transition during interphase by suppressing E2F transcription factors?
A: **retinoblastoma** protein (accept: p**RB**)

Double Jump

8. At least eight other games were forced to change their release date to avoid competing with the hugely awaited September 4th launch of what indie platformer?
A: *Hollow Knight*: **Silksong**
9. Available from the beginning of the game, what ability allows Hornet to expend a spool of silk to heal herself?
A: **binding**

Set of 4: Derivatives

10. What function is the derivative of the natural log of x ?
A: **1 over x** (accept: **1 divided by x**) (prompt on: the reciprocal function)
11. Rolle's Theorem is often used in the proof of what more general theorem, which states that any differentiable function attains its average derivative over any interval?
A: **Mean Value** Theorem (prompt on: MVT)
12. What is the 50th derivative of $\sin x$?
A: **negative sine x** (accept: **minus sine x**) (prompt on: negative sine, minus sine)
13. All complex analytic functions also have what property, the equivalent of differentiability in complex analysis?
A: they are **holomorphic** functions (accept: being **holomorphic**)

Jackpot

14. Part 1: What artist was inspired by Mughal miniatures to create many drawings of Indian rulers and noblemen, of which 23 survive?
15. Part 2: This artist painted a Biblical figure *at the Brothel*, and later returned to the theme to paint a dark, solemn view of that figure being embraced by his father. Another Biblical painting by this artist depicted a nude *Bathsheba at Her Bath*.
16. Part 3: Unusually for his time, this artist painted and etched over a hundred self-portraits, including many in outdated fancy dress and many tronie with exaggerated facial expressions.
17. Part 4: This artist painted several students looking on as an arm is dissected in *The Anatomy Lesson of Dr. Nicolaes Tulp*, and a civic guard company in *The Night Watch*.
A: **Rembrandt** van Rijn

Set of 3: "Wind" Words

Given a description of a word beginning with the letter sequence W-I-N-D, identify the word.

18. A sudden rush of good fortune, often involving the receipt of money or valuable goods.
A: **windfall**
19. An individual with a propensity for going on at length but without much to say.
A: **windbag**
20. Another word for the trachea.
A: **windpipe**

5-Part Blitz

21. What two comedians starred alongside Chevy Chase in *Three Amigos* and currently portray Arconia residents Charles and Oliver in *Only Murders in the Building*?
A: Steve **Martin** AND Martin **Short**
22. Who served as the last emperor of a unified Roman Empire before its split into the Western and Eastern halves?
A: **Theodosius I** (accept: **Theodosius the Great**) (prompt on: **Theodosius**)
23. What three-letter word refers to a large metal pan with a rounded bottom used in Chinese cooking?
A: **wok**
24. Name either of the rivers that form most of the border between Poland and Germany.
A: **Oder** River OR Lusatian **Neisse** River
25. What word is used to refer to the feat achieved by Manchester City in 2022-23, only the second English team to achieve it, after Manchester United in 1998-99?
A: **trebles**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Canadian Music & The Caribbean in the 20th Century

Canadian Music

26. What native of Springhill, Nova Scotia holds the record for most Juno Awards and sang hits like "You Needed Me" and "Snowbird"?
A: Anne **Murray**
27. Celine Dion sings "I get wings to fly" before the drums kick in at the start of what 2002 song?
A: **"I'm Alive"**

28. "A free ride when you've already paid" and "rain on your wedding day" exemplify the title characteristic of what Alanis Morissette song?
A: **"Ironic"**
29. What song contains the whispered chorus "I think you know what this is" and has a music video featuring Tate McRae posing in twelve different outfits?
A: **"Sports car"**

The Caribbean in the 20th Century

30. What leader of the 1933 Sergeants' Revolt later became a military dictator with significant connections to the American mafia in the 1950s?
A: Fulgencio **Batista**
31. What country was ruled by two presidents nicknamed "Doc", a father and son from the Duvalier family?
A: **Haiti**
32. The United States accidentally bombed the Richmond Hill Mental Hospital during their 1983 invasion of what country?
A: **Grenada**
33. In 1966, what person visited Kingston, Jamaica on Grounation Day, the most important holy day for Rastafaris?
A: Haile **Selassie I**

Double Jump

34. Varying quantities of sand, silt, and clay, along with organic matter, make up what substance in which plants grow?
A: **soils** (prompt on: dirt, earth)
35. What word refers to soil that is not dominated by sand, silt, or clay, but rather contains all of them in similar proportions?
A: **loam**

Double Jump

36. At their closest point, what body of water separates North America from Asia?
A: **Bering Strait** (prompt on: Bering)
37. North of the Bering Strait lies what sea of the Arctic Ocean, which shares its name with the peninsula at the very eastern end of Siberia?
A: **Chukchi** Sea

Set of 4: Colourful Phrases

38. Fill in the blank in the following quotation: "O beware, my lord, of jealousy! It is the [BLANK], which doth mock the meat it feeds on."
A: **green-eyed monster**
39. In 1793, what disease decimated the population of Philadelphia?
A: **yellow fever**
40. The violin spider has what other name?
A: **brown recluse** spider (accept: **brown fiddler** spider)
41. Mass, angular momentum, and electric charge are the three quantities, according to the no-hair theorem, that entirely characterize what objects?
A: **black holes**

Set of 4: Also an Astronomer

42. What name was shared by fifteen Egyptian pharaohs, including Cleopatra's father and brother?
A: **Ptolemy**
43. Who was defeated by Buster Douglas in a 1990 upset and later bit Evander Holyfield's ear in a 1997 boxing match?
A: Mike **Tyson**
44. The sequel to the Fryer and Galois, what University of Waterloo long-answer math contest can be written by students in Grade 11 and below?
A: **Hypatia** math contest
45. What is the Italian name of the *USS Enterprise's* seventh shuttlecraft in *Star Trek: The Original Series*?
A: **Galileo**

5-Part Blitz

46. What country's large western regions are home to Arab, Kurdish, and Azeri minorities?
A: **Iran**
47. Basil Hallward creates the titular artwork in what gothic novel by Oscar Wilde?
A: *The **Picture of Dorian Gray***
48. During the rule of which Chinese dynasty did Hong Xiuquan ["shyu-CHWAN"] proclaim himself as the brother of Jesus Christ and lead the Taiping Rebellion in the mid-19th century?
A: **Qing** ["ching"] dynasty
49. If a note has a frequency of 600 hertz, what is the frequency of a note a perfect fifth above, using just intonation?
A: **900** hertz
50. What is the largest island in Africa?
A: **Madagascar**

END OF FIRST HALF

THIRD QUARTER

Splits: Opening Lines of Novels & Donald Trump's Second Cabinet

Opening Lines of Novels

51. "This is my favourite book in all the world, though I have never read it" is the opening line of what novel, perhaps better known for its film adaptation in which the fictitious book is read to a sick child?
A: *The **Princess Bride***
52. "There was a boy called Eustace Clarence Scrubb, and he almost deserved it" is the opening line to what third-published installment in the *Chronicles of Narnia*?
A: *The **Voyage of the Dawn Treader***
53. "You better not never tell nobody but God" is the opening line and the only line of direct speech in what novel, which from then on consists entirely of Celie's letters to God?
A: *The **Color Purple***
54. "All this happened, more or less" begins what novel, introducing the unreliability of the narrator Billy due to his psychological trauma following World War II?
A: ***Slaughterhouse-Five** or The **Children's Crusade: A Duty-Dance with Death** (accept either bolded part)*

Donald Trump's Second Cabinet

55. Opposed by Republicans Mitch McConnell, Susan Collins, and Lisa Murkowski, as well as all Democrats, JD Vance had to break a tie to confirm what Secretary of Defense?
A: Pete **Hegseth**
56. What office is headed by cabinet-level director Russ Vought, a key leader of DOGE cuts?
A: **Office of Management and Budget** (accept: **OMB**)
57. Who wrote the autobiography *No Going Back*, in which she detailed killing her family dog, before being appointed Trump's latest Secretary of Homeland Security?
A: Kristi **Noem**
58. What position was Matt Gaetz initially nominated for before his nomination was sunk and he was replaced by Pam Bondi?
A: **Attorney General** (prompt on: **AG**)

Set of 3: Momentum

59. What is the SI unit for momentum?
A: **kilogram metre per second** (accept: **kilogram metres per second**, **Newton seconds**)
60. What word refers to the change in an object's momentum?
A: **impulse**
61. Through experiments where x-rays were scattered by graphite, who experimentally verified the momentum of a photon?
A: Arthur **Compton**

Jailbreak

62. What crime drama recently got a reboot subtitled "Resurrection"?
A: **Dexter**
63. Who argued that humans were born without innate ideas, describing the mind at birth as a "blank slate"?
A: John **Locke**
64. Which New England state is the smallest in area?
A: **Rhode Island**
65. What genre of composition did Claudio Monteverdi help develop?
A: **operas**
66. What athlete is shown holding his face in exasperation in many memes that declare that he "reportedly" made some common mistake?
A: LeBron **James** (prompt on: **LeBron**)
67. What first period of the Paleozoic era names an "explosion" of biodiversity that occurred at the start of the period?
A: **Cambrian** period
68. In the context of analysing a language's word order, the abbreviation SVO represents what three words?
A: **subject** AND **verb** AND **object**
69. What town in Normandy names a thousand-year-old artwork that depicts the Battle of Hastings, its namesake tapestry?
A: **Bayeux**
70. What adjective is used to describe natural-looking makeup that is not meant to be noticeable?
A: **nude**
71. Homer's *Iliad* is set towards the end of what war?
A: **Trojan** War

72. What is the chemical formula of the mineral that is mined and sold in Canada by Sifto and Windsor, known as halite?
A: **NaCl**
73. What two-word term refers to areas on either side to the back of a car that cannot be seen through any of the mirrors?
A: **blind spots**
74. The name of what character comes after the words "Shining" and "Infinity" in the titles of popular adventure games with dress-up elements?
A: **Nikki**
75. In words borrowed from Greek, the "F" sound is usually created with what two letters?
A: **P AND H**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: A rivalry in what country's poetry scene was compared to "a knife fight in a phone booth" by John Forbes?
77. Part 2: In one poem from this country, the line "the deep blue skies wax dusky, and the tall green trees grow dim" is spoken by the titular "Sick Stockrider".
78. Part 3: This country is described as the "Land of the Rainbow Gold" and as "sunburnt" in the poem "My Country".
79. Part 4: Banjo Paterson, a poet from this country, described a swagman drowning himself in a billabong in "Waltzing Matilda".
A: **Australia**

Streak

80. Name up to all of the films made in the 21st century that feature Daniel Day-Lewis.
- A: **Gangs of New York**
- A: **The Ballad of Jack and Rose**
- A: **There Will Be Blood**
- A: **Nine**
- A: **Lincoln**
- A: **Phantom Thread**
- A: **Anemone**

Streak

83. Excluding limited-edition flavours, name up to all of the dipping sauces sold with Canadian Chicken McNuggets.
- A: **Barbeque** sauce
- A: **Sweet 'N Sour** sauce
- A: **Hot Mustard** sauce
- A: **Spicy Habanero** sauce
- A: **Honey**

Set of 3: Letters in Chemistry

86. Give either letter that does not appear in any element symbol on the periodic table.
A: **J OR Q**
87. Partial charges, such as in a polar covalent bond, can be represented in diagrams using what letter?
A: **delta**
88. There are two of what kind of bond between the carbon atoms in acetylene?
A: **pi** bonds

12-Part Blitz

89. What BC city is located at the western terminus of the Yellowhead Highway?
A: **Prince Rupert**
90. In skipping, what term refers to spinning the rope twice under one's feet on a single jump?
A: **double unders**
91. What author wrote about Janie Crawford's unhappy marriages in her novel *Their Eyes Were Watching God*?
A: Zora Neale **Hurston**
92. What two players have won the last eight consecutive men's Grand Slam tennis tournaments?
A: Carlos **Alcaraz** AND Jannik **Sinner**
93. Within 100, deserts are often defined as areas receiving fewer than how many millimetres of precipitation per year?
A: fewer than **250** millimetres (accept answers between **150** and **350** millimetres per year, inclusive)
94. What term do Muslims use in English for followers of other Abrahamic religions?
A: **people of the book**
95. Products from what kind of tree are the subject of the acericulture industry in Quebec?
A: sugar **maple** trees (accept: sugar **maples**)
96. The exploits of the Barone family form the central premise of what sitcom named after its creator and star Ray Romano?
A: **Everybody Loves Raymond**
97. Catalogued as Messier ["MESS-ee-ay"] 31, what is the nearest major galaxy to the Milky Way?
A: **Andromeda** galaxy
98. What disease made up the 14th-century epidemic known as the Black Death?
A: bubonic **plague** (accept: black **plague**)
99. What two subjects did Taylor Swift joke about herself and Travis Kelce teaching when she announced their engagement?
A: **English** AND **gym** (accept clear equivalents)
100. El Paso, Texas is found directly across the border from what city in the Mexican state of Chihuahua?
A: Ciudad **Juarez**

END OF GAME