



2023-24 Post-Secondary Late Fall Tournament (T2) – Pack 2

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PACK 2

5-Part Blitz

1. Known in French as Aix-La-Chapelle, what city was the seat of power of the Frankish empire and the residence of Charlemagne?
A: **Aachen**
2. What Italian term refers to male singers who were surgically rendered impotent to preserve the singing voice they had as young boys?
A: **castrato** (accept: **castrati**)
3. What metal has four main oxidation states that are distinguishable by colour, and has the atomic number 23?
A: **vanadium** (accept: **V**)
4. Who raps "Pulled up in a monster/automobile gangsta/With a bad bitch that came from Sri Lanka" at the start of her verse on Kanye West's song "Monster"?
A: Nicki **Minaj**
5. The Yajna ritual from Hinduism is centred around what phenomenon, which Agni is the god of?
A: **fire**

Double Jump

6. What river discharges more water than the next seven largest rivers combined?
A: **Amazon** River
7. What river empties into the Amazon at the "Meeting of the Waters", near Manaus?
A: **Rio Negro**

Double Jump

8. What musical film stars Richard Haydn as Max, Eleanor Parker as Baroness von Schraeder, Christopher Plummer as Georg von Trapp and Julie Andrews as Maria?
A: *The **Sound of Music***
9. What delivery boy shares the "Sixteen Going on Seventeen" duet with Liesl early in the musical, but later becomes distant from the Von Trapp family due to his Nazism?
A: **Rolf Gruber** (accept either bolded part)

Set of 4

10. Harold Lowe and Charles Lightoller were among the officers of what ship during its doomed maiden voyage in 1912?
A: RMS **Titanic**
11. A rival of the Cunard Line, what shipping line owned the *Titanic*?
A: **White Star** Line
12. Widely criticized in the press for escaping aboard a lifeboat, what chairman of the White Star Line lived the rest of his life as a pariah after the disaster?
A: Joseph Bruce **Ismay**
13. What ship carried the approximately 700 survivors of the disaster to New York?
A: RMS **Carpathia**

Jackpot

14. Part 1: After a fight goes wrong at the start of *The Three Musketeers*, what kind of object is stolen from d'Artagnan?
15. Part 2: In a play, after being given one of these objects, Friar John is locked up in a quarantine house because of an outbreak of the plague.
16. Part 3: In another book, a family leaves their home for a small rocky island after dozens of these objects fall through their house's chimney on a Sunday.
17. Part 4: Novels made up of these are called epistolary.
A: **letters** (accept: **envelopes** on Parts 1, 2, and 3) (prompt on: mail)

Set of 3

18. What is the length-to-width ratio of any paper size in the "A" series, to ensure that folding the paper in half will allow the folded paper to maintain the same ratio?
A: square **root** of **2** to 1
19. To two decimal places, express the square root of two.
A: **1.41**
20. The square root of two is the scale factor for what quantity in optics and photography, defined as the ratio of focal length to effective aperture?
A: **f-stop** (accept: **f-number**, **f-ratio**, **focal ratio**)

5-Part Blitz

21. What word refers to the thread that burns in a candle?
A: **wick**
22. What branch of chemistry deals with rates of reactions?
A: chemical **kinetics**
23. What word refers to strands of hair that have been dyed brighter than the surrounding hair?
A: **highlights**
24. Difficulty in understanding numbers and math is the defining characteristic of what learning disorder?
A: **dyscalculia**
25. In moneyline odds, if an outcome is given odds of minus 140, how much money would have to be wagered to make a profit of \$200?
A: **\$280**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Earth's Oceans & World War I in Film

Earth's Oceans

26. In metres and within one thousand, what is the average depth of the world's oceans?
A: **3,688** metres (accept answers between **2,688** and **4,688**, inclusive)

27. The rotation seen in ocean gyres, and the fact that they deflect near the equator, are caused by what force that occurs in rotating frames of reference?
A: **Coriolis** force/effect
28. What oceanic feature surfaces to create a large rift valley running through Iceland?
A: **Mid-Atlantic Ridge**
29. What island gives its name to the deepest trench in the Atlantic Ocean?
A: **Puerto Rico**

World War I in Film

30. What title is shared between a 1930 film by Lewis Milestone and a 2022 film by Edward Berger?
A: ***All Quiet on the Western Front***
31. What year titles a 2019 Sam Mendes film that appears to be shot entirely in two continuous takes?
A: **1917**
32. What actor portrayed Colonel Dax, who unsuccessfully tries to defend three soldiers in a court martial in Stanley Kubrick's 1957 film *Paths of Glory*?
A: **Kirk Douglas** (prompt on: Douglas) (accept: Issur **Danielovitch**)
33. What silent film about a love triangle between two pilots and a woman was the first winner of the Academy Award for Best Picture?
A: **Wings**

Double Jump

34. What game sees the protagonist fall into the Underground and interact with characters like Toriel, Papyrus, and Sans?
A: **Undertale**
35. Give both of the canonical names of the two similar-looking human children around whom the story of *Undertale* revolves.
A: **Frisk** AND **Chara** ["CARE-uh"]

Double Jump

36. What militant group employed paragliders as part of their infiltration forces for an October 7th, 2023 surprise attack into a neighbouring country?
A: **Hamas**
37. The Supernova Sukkot Gathering, one of Hamas' initial targets from which they took many civilian hostages, was what kind of event?
A: **music festival** (accept: **trance/EDM/electronic music festival, rave**) (prompt on: festival, music concert)

Set of 4: The AIDS Crisis

38. Infections such as Kaposi's sarcoma, which targets people with immune systems weakened by AIDS, are referred to by what term?
A: **opportunistic** infections
39. What small country currently has the highest adult prevalence rate of HIV/AIDS, with over 28% of adults affected?
A: **Eswatini** (accept: **Swaziland**)
40. The words "Bully, Coward, Victim" memorialize what lawyer on the AIDS Memorial Quilt, whose final days were depicted in Tony Kushner's *Angels in America*?
A: Roy **Cohn**

41. What group referenced someone dying of HIV in the lyric “three letters took him to his final resting place” from their song “Waterfalls”?
A: **TLC**

Set of 4: Islands of Indonesia

42. Medan and Palembang are on what island, separated by the Strait of Malacca from the Malay Peninsula?
A: **Sumatra**
43. What island is Indonesia’s only Hindu-majority province as well as the country’s main tourist destination?
A: **Bali**
44. What island is the site of a long-running rebellion against Indonesian rule because its inhabitants have more in common with the country on the eastern part of the island?
A: **New Guinea**
45. Islands of Indonesia lend their names to two of the five living species of what animal?
A: **rhinoceros**

5-Part Blitz

46. What job does Ryan Gosling’s Ken have in the *Barbie* movie?
A: **beach** (reject word forms)
47. What was the capital of the Old Kingdom of Ancient Egypt?
A: **Memphis**
48. What action is allowed when two lanes are divided by a dotted line and forbidden when they are divided by a solid line?
A: **passing** (accept: **overtaking, lane changing, merging**) (accept word forms)
49. 1111 [“one one one one”] is the binary equivalent of what number in base 10?
A: **15**
50. Give both products of incomplete combustion that are not produced when combustion is complete.
A: **carbon monoxide** (accept: **CO**) AND **carbon** (accept: **C, soot**) (prompt on: **ash**)

END OF FIRST HALF

THIRD QUARTER

Splits: Canadian Political Parties & Non-Alcoholic Drinks

Canadian Political Parties

51. The Canadian Labour Congress and the Co-operative Commonwealth Federation formed what Canadian political party in 1961, whose first national leader was Tommy Douglas?
A: **New Democratic** Party (accept: **New Democrats, NDP**)
52. Considered one of the predecessors of the CCF, what federal party declined to form the Official Opposition after winning the second-most seats in the 1921 election?
A: **Progressive** Party of Canada (accept: National **Progressive** Party)
53. Maurice Duplessis led which Quebec provincial political party until his death in 1959?
A: **Union nationale**
54. Becoming Canada’s Official Opposition in 1997, what now-defunct Western populist party was led by Preston Manning?
A: **Reform** Party of Canada

Non-Alcoholic Drinks

55. What Coca-Cola product has been criticized for its nutritional branding despite its high sugar content?
A: **vitaminwater**
56. The high caffeine content in what energy drink was scrutinized after KSI and Jake Paul marketed it to children?
A: **Prime**
57. Crashed Ice, Flugtag ["FLOOG-tag"], and the MLS team in New York are some of the many entities sponsored by what energy drink?
A: **Red Bull**
58. What daisy-like flower is a common base for herbal tea?
A: **chamomile**

Double Jump

59. The luminosity and temperature of what objects are plotted on a Hertzsprung-Russell diagram?
A: **stars**
60. What is the common name for the brightest star in the constellation Lyra?
A: **Vega**

Double Jump

61. What teacher of Plato was forced to commit suicide for corrupting the youth of Athens?
A: **Socrates**
62. What type of insect did Socrates use during his trial as a metaphor for himself and his ability to spur the Athenian political environment into a fury?
A: **gadfly** (prompt on: fly)

Set of 3: Kinematics

63. The kinematics of a particle moving along a curved path can be described by what set of three differential equations that relate the tangent, normal, and binormal unit vectors?
A: **Frenet-Serret** formulas
64. Give the physical quantity that is missing from the following formula: final velocity equals initial velocity, plus time multiplied by BLANK.
A: **average acceleration** (prompt on: acceleration, a)
65. Taking the signed area under a velocity-time graph gives what quantity?
A: **displacement**

Set of 4: The Minnesota Vikings

66. The title of a Sheb Wooley novelty song inspired what colourful nickname for the defensive line of the Vikings of the 1970s?
A: the **Purple People Eaters** (reject partial answers)
67. A former Winnipeg Blue Bombers player and coach, what Vikings coach and team legend led the team to each of their four Super Bowl appearances in the '60s and '70s?
A: Bud **Grant**
68. The Vikings play in which division of the NFL, which they share with the Chicago Bears, Detroit Lions, and Green Bay Packers?
A: **NFC Northern** Division (prompt on: North)

69. Through their 31 playoff appearances, how many Super Bowls have the Vikings won?
A: **zero** (accept: **none**)

Linked Set of 6

70. Cai Lun ["tsai loon"] is held to have invented the process for making what product, doing so in China in the first two centuries AD?
A: **paper**
71. What sitcom followed the activities of a paper company called Dunder Mifflin?
A: *The **Office***
72. What city is the setting of the American version of *The Office*?
A: **Scranton**, Pennsylvania
73. Which NHL team has an AHL affiliate in Wilkes-Barre/Scranton?
A: **Pittsburgh Penguins** (accept either bolded part)
74. What is the largest species of penguin?
A: **emperor** penguin
75. A common idiom for a glaring weakness or falsehood being exposed is a statement that the emperor lacks what kind of object?
A: the emperor has/wears no **clothes** (accept: **clothing** in place of clothes)

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: Who was accused of surmoulage in relation to their first work, which was inspired by *The Dying Slave*? To recover from the accusation, this artist created an oversized depiction of John the Baptist.
77. Part 2: One pupil of this artist created "The Mature Age" and "The Waltz", and was named Camille Claudel.
78. Part 3: Inspired by a story from the Hundred Years' War, this artist depicted six wealthy Frenchmen surrendering themselves to be executed in *The Burghers of Calais*.
79. Part 4: *The Gates of Hell* and *The Thinker* are sculptures by this Frenchman.
A: Auguste **Rodin**

Streak

80. Following a dispute with her former label Big Machine Records, Taylor Swift has released "Taylor's Versions" of several of her albums. Name up to all of them.
- A: ***Fearless*** (Taylor's Version)
- A: ***Speak Now*** (Taylor's Version)
- A: ***Red*** (Taylor's Version)
- A: ***1989*** (Taylor's Version)

Set of 4: Clips

82. What type of clip consists of a metal loop with a spring-loaded gate, and is often used in activities involving ropes such as sailing or climbing?
A: **carabiner** clip

83. What reptile gives its name to a type of clip with long, serrated jaws?
A: **alligator**
84. What "B" word means a hair clip?
A: **barrette**
85. With what piece of software would you associate an anthropomorphic paper clip named Clippy?
A: Microsoft/MS **Office** (accept: Microsoft/MS **Word/Excel/PowerPoint**)

Set of 3: Wolves in Culture

86. What lawyer and statesman is the protagonist of the novel *Wolf Hall*?
A: **Thomas Cromwell** (prompt on partial answers)
87. Name either of the two wolves that accompany Odin.
A: **Geri** OR **Freki**
88. A widely panned 2023 movie sequel to what TV series sees Scott McCall return to Beacon Hills to protect it from the Nogitsune ["no-git-SOO-nay"]?
A: **Teen Wolf**

12-Part Blitz

89. What process has both step-growth and chain-growth methods, and involves creating macromolecules out of subunits called monomers?
A: **polymerization**
90. Who is the current crown prince of Saudi Arabia?
A: **Mohammed bin Salman** Al Saud (accept: **MBS**)
91. What word refers to the metal or plastic covering on the tip of a shoelace?
A: **aglet**
92. What quantity is plotted on the vertical axis of a population pyramid?
A: **age**
93. What two musicians collaborated on the song "I'm Good (Blue)"?
A: David **Guetta** AND Bebe **Rexha** (accept: Bleta **Rexha**)
94. To which numbered generation of *Pokémon* video games does *Pokémon Emerald* belong?
A: **Third** Generation (accept: Generation **3**)
95. What musical marking indicates that string players should strike the strings with the wooden sides of their bows?
A: **col legno** battuto
96. Often occurring on clear, calm nights, in what kind of event does air near the surface cool more rapidly than the overlying air, trapping a layer of cool air below a layer of warmer air?
A: **temperature inversion** (accept: **thermal inversion**) (prompt on: **inversion**)
97. What "J"-word refers to a fanatical belief in the superiority of one's own country, often associated with aggressive views on foreign policy?
A: **jingoism** (accept: **jingoist**)
98. In what language are the poems *Gitanjali*, *Vande Mataram*, and *Jana Gana Mana* written?
A: **Bengali**
99. How many Space Shuttle missions have ended in a disaster?
A: **2**
100. To the nearest mile per hour, what was the velocity of the fastest pitch ever thrown in an MLB game?
A: **106** miles per hour

END OF GAME