



## 2024-25 Post-Secondary Qualifier (T2) – Pack 5

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# PACK 5

## 5-Part Blitz

1. The player must retrieve mothership parts after an attack by Space Bully Nebulax in what platformer, which won the Game Award for Game of the Year in 2024?  
A: **Astro Bot**
2. What centrist who replaced Michel Barnier recently survived a no-confidence vote to stay on as prime minister of France?  
A: François **Bayrou**
3. During what century did the golden age of Dutch art take place?  
A: **17th** century AD (accept: **1600s** AD) (reject: 1600 AD)
4. The probability of k successes in n draws without replacement is modelled using what distribution?  
A: **hypergeometric** distribution
5. The name of which Canadian province has an identical meaning to that of the French overseas collectivity of New Caledonia?  
A: **Nova Scotia**

## Double Jump

6. Who received a vision while on the road to Damascus, and thereafter became an apostle who wrote letters to the Romans, Galatians and other groups?  
A: Saint **Paul** the Apostle (accept: **Saul** of Tarsus)
7. Name either of the addressees of the so-called "Pastoral Epistles", traditionally attributed to Paul but now believed to have been written after his death by a follower.  
A: **Timothy** OR **Titus**

## Double Jump

8. Who released the single "Supermodel (You Better Work)" and hosts a namesake *Drag Race*?  
A: **RuPaul Charles** (accept either bolded part)
9. Since season three, what woman has served as a permanent judge on *RuPaul's Drag Race*?  
A: Michelle **Visage**

## Set of 4

10. Francis Bacon is considered one of the developers of what process, in which a hypothesis is tested through experiments and either accepted or rejected?  
A: **scientific method**
11. The scientific method gains knowledge through what kind of logical reasoning, in which a large body of evidence is analyzed to find broad patterns that are likely to be true?  
A: **induction** (accept: **inductive** reasoning)
12. In contrast to the inductive view, Karl Popper proposed that science works by what deductive process, in which hypotheses are believed until decisively contradicted by experiment?  
A: **falsification** (accept: **refutation**, **falsifiability**, **refutability**)

13. What word referring to a set of accepted beliefs about the world that dominate scientific views for a long time period was introduced by Thomas Kuhn in *The Structure of Scientific Revolutions*?  
A: **paradigm**

### Jackpot

14. Part 1: Who wrote a one-act play in which three Roman soldiers go to a pub on a Friday night and discuss the man they saw crucified earlier that day?
15. Part 2: This person wrote a story in which a waiter recites a version of the Lord's Prayer with many words replaced with the Spanish word "nada".
16. Part 3: This person wrote the memoir *A Moveable Feast* about the years they spent living in Paris in their twenties. While in Paris, this person was a foreign correspondent for the *Toronto Star*.
17. Part 4: "Hills Like White Elephants" and "The Snows of Kilimanjaro" are short stories by this famously terse American author, who also wrote about the fisherman Santiago in *The Old Man and the Sea*.  
A: Ernest **Hemingway**

### Set of 3: Plots

18. Who was arrested on November 5th, 1605 after being found with gunpowder in the House of Lords?  
A: Guy **Fawkes**
19. With the help of Grigory Orlov, who orchestrated a coup that deposed Peter III, her husband, as tsar of Russia?  
A: **Catherine the Great** (accept: **Catherine II**) (prompt on: Catherine)
20. The novel *The Day of the Jackal* concerns an assassination attempt on what leader, who was targeted in a real-life assassination attempt by the OAS because he agreed to grant independence to Algeria?  
A: Charles **de Gaulle**

### 5-Part Blitz

21. One over what number is equal to zero point zero six repeated?  
A: **15**
22. What letter must be added to a word that means to investigate the grammatical parts of a sentence to get a word that means thinly distributed or barren?  
A: **S** (parse -> sparse)
23. Along with Chongqing ["chong-CHING"], the other main city of southwestern China is what capital of Szechuan?  
A: **Chengdu**
24. Who released the debut EP "Purrrr!" and later wore cow-print pyjamas for the music video for her viral song "Mooo!"?  
A: **Doja Cat**
25. *Jack the Ripper Stalks his Victims* and *The Widows of Culloden* were the first and last collections by what British fashion designer, who committed suicide in 2010?  
A: Alexander **McQueen**

**END OF FIRST QUARTER**

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**SECOND QUARTER**

**Splits: International Snacks & Canadian Olympic Gold**

### International Snacks

26. What Australian brand of chocolate-covered biscuit is known for its "Slam" where both ends of it are bitten off and used to drink a hot beverage?  
A: **Tim Tam**
27. What Spanish lollipop brand has a logo designed by Salvador Dali and is named after the Spanish word for "to suck"?  
A: **Chupa Chups** (reject: **Chupa Chup**)
28. Sold primarily in purple bags, what Mexican snack consists of flavoured rolled tortilla chips?  
A: **Takis**
29. Sold in red boxes, what Japanese snack's original flavour was a milk chocolate coating over a biscuit stick?  
A: **Pocky**

### Canadian Olympic Gold

30. In 1900, George Orton became the first Canadian Olympic gold medalist by winning the 2500-metre edition of what event, a medium-distance race involving barriers and water?  
A: 2500-metre **steeplechase**
31. In 1948, what woman became the first and to-date only Canadian to win a gold medal in an individual figure skating event?  
A: Barbara Ann **Scott**
32. In what year did Alexandre Bilodeau win Canada's first Olympic gold medal on home soil?  
A: **2010**
33. Maggie Mac Neil, Penny Oleksiak, and Summer McIntosh have all won Canada Olympic gold medals in what sport?  
A: **swimming**

### Double Jump

34. What process uses high pressures and an iron catalyst to produce ammonia?  
A: **Haber-Bosch** process
35. What gas does nickel bind with to shed off impurities in the Mond process?  
A: **carbon monoxide** (accept: **CO**)

### Double Jump

36. Amazon Prime users get a free "Prime sub" each month on what website, used primarily for live-streaming video games?  
A: **Twitch** .tv
37. Twitch uses brightly-coloured crystals to represent what virtual currency, which users can spend on actions such as cheering?  
A: **bits**

### Set of 4: Gambling in Film

38. What Joseph L. Mankiewicz-directed film is about a gambler challenged to take a female missionary to Havana and is based on a Frank Loesser musical?  
A: **Guys and Dolls**
39. What actor portrayed pool hustler "Fast Eddie" Felson in both *The Color of Money* and *The Hustler*?  
A: Paul **Newman**

40. A bacarat scene from the original novel was changed to Texas hold 'em in what 2006 film, the first James Bond movie to feature Daniel Craig?  
A: **Casino Royale**
41. A gambling addict must retrieve a black opal from Kevin Garnett in what Safdie Brothers film starring Adam Sandler?  
A: **Uncut Gems**

#### Set of 4: Trees

42. What type of trees produce acorns?  
A: **oak** trees
43. The terms "mallets" and "marlocks" describe certain types of what trees, whose blue variety is the principal source of its oil worldwide?  
A: **eucalyptus** trees (prompt on: **gum** trees)
44. What word refers to the Japanese art of growing miniature trees?  
A: **bonsai**
45. A namesake "avenue" in Madagascar is home to many of what thick-trunked African trees?  
A: Grandidier's **baobab** (accept: giant **baobab**)

#### 5-Part Blitz

46. What two countries share the Rio de la Plata?  
A: **Argentina** AND **Uruguay**
47. It means what you should not do while answering this question: spell "misspell".  
A: **M-I-S-S-P-E-L-L**
48. What is the largest city on the Tigris river and the capital of Iraq?  
A: **Baghdad**
49. What property of a drawing can be said to be "one-point", "two-point", or so on, based on the number of vanishing points that shapes in the drawing converge to?  
A: **perspective**
50. To the nearest percent, the Sun makes up how much of the Solar System's mass?  
A: **100** percent

#### END OF FIRST HALF

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#### THIRD QUARTER

#### Splits: Alternate History Novels & Regional Music Genres

##### Alternate History Novels

51. An American election in what year is the counterfactual of Philip Roth's *The Plot Against America*, wherein Charles Lindbergh defeats Franklin D. Roosevelt in his bid for a third term?  
A: **1940** (prompt on: '40)
52. A trilogy of alternate history novels about the Civil War was co-authored by what American politician who served as Speaker of the House from 1995 to 1999?  
A: Newt **Gingrich**
53. A partitioned United States ruled by Imperial Japan and Nazi Germany is the setting of what Philip K. Dick novel, which depicts a world where the Axis Powers won World War II?  
A: *The **Man in the High Castle***

54. What date titles a Stephen King novel about a time traveler who attempts to prevent the assassination of John F. Kennedy?  
A: **November 22, 1963** (accept clear equivalents) (accept: 11/22/63)  
(prompt on: November 22, clear equivalents)

### Regional Music Genres

55. What city's synthesis of traditional soul with pop by artists like Marvin Gaye and the Supremes became a fixture of its "Motown Sound"?  
A: **Detroit**
56. Seattle Sound is a nickname given to what alternative rock genre popularized by local acts like Alice in Chains, Soundgarden, and Nirvana?  
A: **grunge**
57. What Spanish island developed its own subgenres of house and trance music in the 1980s and '90s, popularized by DJs in its many nightclubs?  
A: **Ibiza**
58. Artists like Fivio Foreign, Sleepy Hollow, and Pop Smoke brought mainstream appeal to what drill music subgenre named after a New York City borough?  
A: **Brooklyn** drill

### Set of 3: Longevity

59. Places such as Okinawa, Sardinia, and Loma Linda, whose residents were once believed to have above average lifespans, are known by what two-word term?  
A: **blue zones**
60. With an estimated age of 192 years, the world's oldest known living land animal is what kind of reptile currently residing on Saint Helena?  
A: Seychelles giant **tortoise** (prompt on: turtle)
61. What term refers to the speculative process of preserving a human body at extremely low temperatures with the hope of reviving it in the future?  
A: **cryonics** (reject: cryonic)

### Jailbreak

62. What is the first element on the periodic table for which the first letter of its symbol does not match the first letter of its English name?  
A: **sodium** (accept: **Na**)
63. What kind of animal "stands on the grave of dreams" and "sings of freedom" in a poem by Maya Angelou?  
A: caged **bird**
64. The Solomonic dynasty ruled what African country, which has been Christian since the fourth century?  
A: **Ethiopia** (accept: **Abyssinia**)
65. In December 2024, what country's National Assembly voted against its president's declaration of martial law?  
A: **South Korea** (accept: **Republic of Korea, ROK**) (reject: Democratic People's Republic of Korea)
66. The employees of Planet Express, a delivery company in the 31st century, comprise the central cast of what animated television series created by Matt Groening?  
A: **Futurama**
67. What French word names a grocery delivery service launched by Sobeys in 2020?  
A: **voilà**
68. The normal distribution is sometimes named after what German mathematician?  
A: Carl Friedrich **Gauss**

69. Sigmund Freud used what two words to refer to the life and death drives?  
A: **eros** AND **thanatos**
70. Indonesia's only Hindu-majority province is centred on what island, a tourist hotspot?  
A: **Bali**
71. What word, which can colloquially refer to the recent performance trends of a sports team, is defined in physics as mass times velocity?  
A: **momentum**
72. In what language were the novels *The Idiot* and *War and Peace* originally written?  
A: **Russian**
73. What is the best-known title of the large group portrait of Frans Banninck Cocq's militia company painted by Rembrandt?  
A: *The **Night Watch***
74. What "A"-word refers to having both male and female physical characteristics?  
A: **androgynous** (accept: **androgyny**)
75. In the late 19th and early 20th century, what country built its foreign policy around trying to avoid a war on two fronts, and built its military strategy around trying to win one via an unprovoked invasion of the Low Countries?  
A: **Germany**

### END OF THIRD QUARTER

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### FOURTH QUARTER

#### Jackpot

76. Part 1: During the Iron Age, what modern-day country was the centre of the Painted Grey Ware culture, including the Kuru Kingdom?
77. Part 2: Following that period, a group of sixteen kingdoms and republics centred on this modern-day country arose as part of its so-called second urbanization.
78. Part 3: An emperor based in this modern-day country erected a series of major and minor edicts on rocks and pillars expounding his policies on religion and moral living.
79. Part 4: This country's flag contains the symbol of an ancient ruler who won a major war and then converted to Buddhism, Ashoka of the Mauryan Empire.  
A: **India**

#### Streak

80. Name up to every city that currently has a Disney theme park.
- A: **Anaheim** (accept: **Los Angeles, LA**)
- A: **Orlando** (accept: **Bay Lake, Lake Buena Vista**)
- A: **Tokyo** (accept: **Urayasu**)
- A: **Paris** (accept: **Marne-la-Vallée**)
- A: **Hong Kong**
- A: **Shanghai**

#### Set of 3: Opening Melodies

Given the opening notes of a piece of music, identify the piece.

83. G, G, G, long E flat, played by the strings and clarinets.  
A: Ludwig van **Beethoven's 5th** Symphony (accept clear equivalents) (prompt on partial answers that do not mention Beethoven)
84. Short A, short G, long A, followed by a rapid descent to C sharp, then a long D, played by the organ.  
A: **Toccata and Fugue in D Minor** (prompt on: Toccata and Fugue)
85. G, rest, short D, short G, rest, and then a Mannheim rocket starting from G, played by a string ensemble.  
A: **Eine Kleine Nachtmusik** (accept: Wolfgang Amadeus **Mozart's Serenade** no. **13** for Strings in G Major)

### Set of 3

86. In 2019, Air Canada made an ultimately doomed offer worth over \$500 million to buy what other Canadian airline, whose logo consists of a blue star?  
A: **Air Transat**
87. Which current Canadian premier co-founded Air Transat in 1986 and served as its CEO until the late 1990s, when he entered politics as a provincial minister under Lucien Bouchard?  
A: François **Legault**
88. In 2001, Air Transat flight 236 successfully glided over 100 kilometres to land on what archipelago after running out of fuel en route from Toronto to Lisbon?  
A: the **Azores**

### 12-Part Blitz

89. What term refers to the "-ing" form of a verb when it functions as a noun?  
A: **gerund**
90. Name either computer scientist who co-wrote a landmark 1978 textbook on the C programming language.  
A: Brian **Kernighan** OR Dennis **Ritchie**
91. What South American country maintained slavery until 1888?  
A: **Brazil**
92. Which American state contains the Channel Islands?  
A: **California**
93. What sort of online content is targeted by browser extensions such as uBlock Origin?  
A: **advertisements** (accept: **advertising, commercials**)
94. What quantity that relates the relative velocity of two reference frames and the speed of light in a vacuum is symbolized by a lowercase gamma?  
A: **Lorentz factor** (prompt on: gamma factor)
95. Cromlechs and dolmens are what type of structures?  
A: megalithic **tombs** (prompt on: memorials, megalithic)
96. Name both elements found in proteins that are not found in carbohydrates.  
A: **nitrogen** (accept: **N**) AND **sulphur** (accept: **S**)
97. Caitlin Olson plays a cleaning lady for the LAPD in what series, named for her character's intellectual giftedness?  
A: **High Potential**
98. What award has been won recently by Chad Kelly and Brady Oliveira, and a record six times by Doug Flutie?  
A: George Reed **Most Outstanding Player** Award (accept: Canadian Football League/CFL **Most Outstanding Player** Award, Canadian Football League/CFL **MOP** Award)
99. What meteorological phenomenon is reinforced by a weak Walker circulation and is characterized by warmer than normal sea surface temperatures in the equatorial Pacific?  
A: El **Nino**

100. Except during the 1932 edition, the arrival of what person marks the ending of the Macy's Thanksgiving Day Parade in New York?

A: **Santa** Claus (prompt on: Claus)

**END OF GAME**