2024-25 High School Qualifier (T2) – Pack 5

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PACK 5

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: <u>1600</u> 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. Letters to the Galatians, Romans, and Corinthians were written by what saint, formerly named Saul?
   A: Saint **Paul** the Apostle
7. Paul converted to Christianity and changed his name from Saul after receiving a vision on the road to what city?
   A: **Damascus**

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. Modern academic science uses what method to scrutinize research results, in which other scientists anonymously check a paper before publication?
    A: **peer review**

Jackpot

14. Part 1: Who wrote a story in which a waiter recites a version of the Lord's Prayer with many words replaced with the Spanish word "nada"?
15. Part 2: This person wrote the memoir *A Moveable Feast* about the years they spent living in Paris in their twenties.
16. Part 3: While in Paris, this person worked as a foreign correspondent for the *Toronto Star*. He also wrote the short stories "Hills Like White Elephants" and "The Snows of Kilimanjaro".
17. Part 4: This famously terse American author 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 "Purrr!" 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

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: **Taki**s
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. The Haber-Bosch process produces what compound from nitrogen and hydrogen gas?
    A: **ammonia**
35. The Ostwald process produces what compound from ammonia, which begins by burning it in an oxygen-rich environment?
    A: **nitric acid**

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: **bit**s

Set of 4: Gambling in Film

38. What game is played by Teddy KGB in *Rounders* and the Jessica Chastain-played Molly in *Molly's Game*?
    A: **poker** (accept: Texas **hold 'em**)
39. What actor portrayed pool hustler "Fast Eddie" Felson in both *The Color of Money* and *The Hustler*?
    A: Paul **Newman**
40. A baccarat 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: <u>gum</u> 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

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: '<u>40</u>)

52. Newt Gingrich wrote an alternate history trilogy about what war, also the subject of many books by Harry Turtledove, such as his *Southern Victory* series?
    A: **American Civil** War (accept: **US**A **Civil** War) (prompt on: <u>Civil</u> War)

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 Hallow, 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 zone**s
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. Who used the words "eros" and "thanatos" to refer to the life and death drives, and also founded psychoanalysis?
    A: Sigmund **Freud**
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

FOURTH QUARTER

Jackpot

76. Part 1: A group of sixteen kingdoms and republics were centred in what modern-day country during its so-called second urbanization?
77. Part 2: 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.
78. Part 3: This country's flag contains the symbol of an ancient ruler who won a major war and then converted to Buddhism, as leader of the Mauryan Empire.
79. Part 4: Ashoka and Chandragupta Maurya ruled in this modern-day country from Pataliputra, near the Ganges.
    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 5**th 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. In 1978, Brian Kernighan and Dennis Ritchie published the landmark textbook of what programming language?
    A: **C**
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: **ad**vertisements (accept: **advertising**, **commercial**s)
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 **tomb**s (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: <u>Claus</u>)

END OF GAME