



2024-25 Post-Secondary Championship (T3) – Pack 17

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PACK 17

5-Part Blitz

1. After Great Bear and Great Slave lakes, what is the next-largest lake entirely in Canada?
A: Lake **Winnipeg**
2. What show's fourth season focuses on the protagonist's conflict with church deacon Arthur Mitchell, who secretly operates as the Trinity Killer?
A: ***Dexter***
3. What sartorial nickname was given to the radical lower class of Paris during the French Revolution?
A: **sans-culottes**
4. What AI controls locations like Citadel Station and the spaceship Von Braun in the *System Shock* series?
A: **SHODAN** (accept: **Sentient Hyper-Optimized Data Access Network**)
5. Singular matrices have what value for the determinant?
A: **0**

Double Jump

6. After being punished for causing too much commotion running around home in a wolf suit, Max gets transported to a mysterious island full of playful monsters in what picture book by Maurice Sendak?
A: ***Where the Wild Things Are***
7. When Max returns home at the end of the book, what does he find waiting for him?
A: his hot **supper/dinner/food/meal**

Double Jump

8. In what 2022 sequel are Hangman and Rooster rivals at training school, where they are trained by a pilot played by Tom Cruise?
A: ***Top Gun: Maverick*** (prompt on: *Maverick*)
9. Name either of the actors who play Hangman and Rooster in *Top Gun: Maverick*.
A: Miles **Teller** OR Glen **Powell**

Set of 4: Mental Math

10. Not including jokers, six standard playing card decks have how many cards?
A: **312**
11. How many red stripes are on a dozen American flags?
A: **84**
12. How many years after the British North America Act was the Constitution Act signed?
A: **115**
13. In the NHL, what is the maximum number of regular season and playoff games that a team can play in a single season?
A: **110**

Jackpot

14. Part 1: In their most famous song, the singer of Bran Van 3000 asks herself "What the hell am I doing drinking in" what place?
15. Part 2: A song titled for this place says that "someone's always coming 'round here, trailing some new kill" and sarcastically remarks "so glad to meet you".
16. Part 3: On his only song featuring Kendrick Lamar, Kanye West begs "please, baby, no more parties in" this city.
17. Part 4: Miley Cyrus "hopped off the plane" at this city's airport in the opening line of "Party in the USA".
A: **Los Angeles** (accept: **LA**)

Set of 3: Numbers in Population

18. From 1979 to 2015, how many children were most urban Han people allowed to have in Mainland China?
A: **1**
19. To one decimal place, how many children must the average woman in a developed country have in order for the population size to remain stable?
A: **2.1**
20. The death rate begins to fall while the birth rate remains high in which numbered stage of the demographic transition model?
A: stage **2** (accept: **second** stage, the **second** one)

5-Part Blitz

21. In 2019, the Kuiper Belt object Arrowkoth was visited by what spacecraft, several years after it had performed a flyby of Pluto?
A: **New Horizons**
22. An orange "O", a green cross, and a yellow diamond are among the symbols that appear on what game's cards, which prompt players to name something from a given category?
A: **Anomia**
23. What country's Lake Vanern is the largest in the European Union?
A: **Sweden**
24. Roughly collinear with the two stars farthest from the handle in the Big Dipper, what is the current North Star?
A: **Polaris**
25. What Aztec god corresponds to Chaac, the Mayan rain god?
A: **Tlaloc**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Pablo Picasso & the Inca

Pablo Picasso

26. What art dealer did Picasso paint in greyish blue and beige in a landmark cubist painting?
A: Daniel-Henry **Kahnweiler**

27. *La Vie* and *The Old Guitarist* are two of the main paintings from what period of Picasso's career, characterized by melancholy depictions of unfortunate people?
A: **blue** period
28. What kind of people are depicted in many of Picasso's rose period works, such as *Family of Saltimbanques*?
A: **clowns** (accept: **harlequins, jesters, circus performers**)
29. Though he almost always painted in colour, what famous painting by Picasso used only black, white, and grey for its massive canvas?
A: **Guernica**

The Inca

30. How many regions did the Inca Empire consist of, according to its name?
A: **four**
31. The Empire originated as a small kingdom surrounding what city, which would remain its capital?
A: **Cuzco**
32. Name the two most widely spoken languages in the Empire, both of which have descendants still widely spoken today.
A: **Quechua** AND **Aymara**
33. What full name was shared by the last Sapa Inca, who ruled a rump state deep in the Andes, and a Quechuan independence fighter from the late 1700s?
A: **Tupac Amaru**

Double Jump

34. How many moles of hydrogen are in one mole of methane?
A: **4**
35. You will have 5 seconds. Assuming the most common isotopes, what fraction of the mass of a methane molecule is hydrogen?
A: **1/4**

Double Jump

36. Which two Greek letters are used in the Book of Revelation to symbolize Jesus, because he is said to be the beginning and end of everything?
A: **alpha** AND **omega**
37. Which two Greek letters were used by the forces of Constantine to symbolize Jesus, based on the first two letters of the Greek word for Christ?
A: **chi** ["KY"] AND **rho**

Set of 4

38. What term refers to a musical that does not use original music, instead using existing popular music?
A: **jukebox** musical
39. What fictional girl group sings "Super Trouper" in the ABBA jukebox musical *Mamma Mia*?
A: **Donna and the Dynamos**
40. What singer-songwriter's music was used for the 2020 jukebox musical *Girl From the North Country*?
A: Bob **Dylan**
41. A 2018 stage adaptation of what 2001 jukebox musical film by Baz Luhrmann is set in a Parisian cabaret known for its red windmill?
A: **Moulin Rouge!**

Set of 5: Word Ladder

The answer to each question will be a word that differs by one letter from the previous answer. All words will be four letters long.

42. A large number of threads are stretched across a series of bars on what cloth-making device?
A: loom
43. The "common" variety of what diving bird can be found on the Canadian 1 dollar coin?
A: loon
44. Shootouts in Westerns often take place at what time of day?
A: noon
45. What element is the fifth-most abundant in the universe?
A: neon
46. What word refers to a menial labourer of low social status?
A: peon

Linked Set of 4

47. In what kind of data structure do elements store both a value and a reference to the next element?
A: singly linked list
48. In what video game series does the player control a character named Link?
A: *The* Legend of Zelda
49. What famous American author was married to a woman named Zelda Sayre?
A: F. Scott Fitzgerald
50. What nursery rhyme was set to music in a breakout 1938 recording by Ella Fitzgerald?
A: "A-Tisket, A-Tasket"

END OF FIRST HALF

THIRD QUARTER

Splits: Medical Scandals & Poetry

Medical Scandals

51. Who was convicted of fraud after making false claims that a finger-prick of blood was all that her company Theranos needed to run tests?
A: Elizabeth Holmes
52. What untreated disease killed more than one hundred Black men after they had been tricked into participating in the Tuskegee Experiment?
A: syphilis
53. During her treatment for cervical cancer in Baltimore, whose cells were unknowingly cultured by researchers to create the cell line HeLa?
A: Henrietta Lacks
54. Children with teratogenic deformities were born after their mothers used what drug during their pregnancies, which was prescribed for morning sickness in the 1950s?
A: thalidomide

Poetry

Given the first three words of a poem, give the last three words of that poem.

55. We real cool.
A: **We die soon**
56. Two roads diverged.
A: **all the difference**
57. Tyger Tyger, burning.
A: **thy fearful symmetry**
58. In Flanders fields.
A: **in Flanders fields**

Set of 3: Faster than Light in Fiction

59. The creation of what proton-sized supercomputers enables faster-than-light communication for the Trisolarians in *The Three-Body Problem*?
A: **Sophons**
60. In what franchise does a human named Zefram Cochrane invent the warp drive, prompting the Vulcans to visit Earth?
A: **Star Trek**
61. What series features a starship named Heart of Gold, which is equipped with the first ever Infinite Improbability Drive?
A: **The Hitchhiker's Guide to the Galaxy**

Jailbreak

62. Name either of the two internationally unrecognized People's Republics established by Russia in the aftermath of its 2022 invasion of Ukraine.
A: **Donetsk** People's Republic (prompt on: DPR) OR **Luhansk** People's Republic (accept: **Lugansk** People's Republic) (prompt on: LPR, LNR)
63. What term refers to the generation of light through scratching, ripping or rubbing?
A: **triboluminescence** (accept: **triboluminescent**)
64. Under dictator Kwame Nkrumah, what became the first sub-Saharan African country to gain independence, after having been a British colony known as the Gold Coast?
A: **Ghana**
65. What word refers to the highest exponent in a given polynomial?
A: **degree** (accept: **order**)
66. The Strait of Canso separates the rest of Nova Scotia from what island?
A: **Cape Breton** Island
67. What "G"-word means a professional who creates autobiographies for other people?
A: **ghostwriter**
68. Isla ["EYE-luh"] Gordon becomes president of the Los Angeles Waves in what Netflix series about professional basketball?
A: **Running Point**
69. What does a numismatist collect?
A: **coins** (prompt on: money, cash)
70. What is the largest country in Africa?
A: **Algeria**
71. What word refers to the field of philosophy that studies taste and beauty?
A: **aesthetics** (reject: aesthetic)

72. Who designed the Bombe ["bomb"] machine while working at Bletchley Park, helping to decipher Germany's Enigma code?
A: Alan **Turing**
73. What English title is shared between a piece by Telemann with movements named for Thetis, Neptune, and Triton, and a piece by Handel that was composed for a performance on the River Thames?
A: **Water Music**
74. What is the world's most populous Muslim-majority country?
A: **Indonesia**
75. Kent, Ataulfo, and Alphonso are varieties of what fruit?
A: **mango**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What company once aired a black-and-white commercial showing a man staring at the camera as his father's voice was heard asking "Did you learn anything?"
77. Part 2: This company ran an advertisement in 2010 titled "Write the Future". Many advertisements for this company use black and white photos of a man with the tagline "We are all witnesses".
78. Part 3: Another commercial for this company ends with a man saying "I've failed over, and over, and over again in my life, and that is why I succeed". An earlier series of advertisements for this company used the slogan "Bo knows".
79. Part 4: Tiger Woods, LeBron James, and Michael Jordan have all been sponsored by this sports apparel company, whose slogan is "Just do it".
A: **Nike**

Streak

80. Name up to all of the Formula 1 drivers who have won at least four World Drivers' Championships.
A: **Michael Schumacher** (prompt on: Schumacher)
- A: Lewis **Hamilton**
- A: Juan Manuel **Fangio**
- A: Alain **Prost**
- A: Sebastian **Vettel** (accept: Seb **Vettel**)
- A: Max **Verstappen**

Set of 3: Asian Monarchies

83. Druk Gyalpo, or "Dragon King", is the title held by the leader of what small country ruled by the Wangchuck dynasty?
A: **Bhutan**
84. What flower names the throne on which the Emperor of Japan sits?
A: **chrysanthemum**
85. What country's kings are elected by the Conference of Rulers, a body composed of nine sultans of states including Selangor, Penang and Sarawak?
A: **Malaysia**

Set of 3: Evolution

86. What noun refers to an allele's ability to pass itself on to future generations?
A: **fitness**
87. What kind of diagram shows the evolutionary relationships between a group of related species?
A: **phylogenetic tree** (accept: **cladogram**)
88. What kind of natural selection favours more extreme values for a trait over medium ones?
A: **disruptive** selection (accept: **diversifying** selection)

12-Part Blitz

89. What is the lightest element whose isotopes are all radioactive?
A: **technetium** (accept: **Tc**)
90. Hindu philosophy is usually divided into how many schools?
A: **6**
91. A tuba often named for what composer is prominently used in the works of other composers such as Anton Bruckner and Richard Strauss?
A: Richard **Wagner**
92. What term refers to a sudden reversal of a river's flow due to rising tides?
A: tidal **bore**
93. What does the acronym "NEET" stand for?
A: **not** in **education, employment, or training** (accept: **not** in **employment, education, or training**)
94. What is the most populous city in Queensland?
A: **Brisbane**
95. Bill Murray and Scarlett Johansson play two strangers coping with alienation in Tokyo in what 2003 movie?
A: **Lost in Translation**
96. What four-letter word is the name of the cloth that covers a casket at a funeral, and partially names the people who carry a coffin?
A: **pall**
97. What word means to dissipate the energy in an oscillating system?
A: **damp** (accept: **damping, damp, damped**) (reject: **dampen**)
98. Often used in conjunction with foundation, what kind of cosmetic product is intended to hide facial imperfections such as blemishes and dark circles?
A: **concealer**
99. Lago Cocibolca ["Cotch-ee-BOLL-cuh"] is the local name for what largest lake in Central America?
A: Lake **Nicaragua**
100. Though China's Three Kingdoms period lasted for 60 years, what neighbouring region had a concurrent Three Kingdoms period that lasted about 10 times as long?
A: **Korean** Peninsula

END OF GAME