



2025-26 Post-Secondary Championship (T3) – Pack 11

Head Editor: *Paul Kasiński*

Writers/Editors: *Nicolas Edwards, Ian Greig, Paul Kasiński, Jenny Mao, Malhaar Moharir, Jack van Nostrand, Joe Su, Isaac Thiessen, Zhongtian Wang*

PACK 11

5-Part Blitz

1. During his "Sturm und Drang" period, what composer wrote six string quartets and the *Farewell* symphony for Nikolaus Esterhazy?
A: Franz Josef **Haydn**
2. One must be 40 or younger to be awarded what prestigious medal named for a Canadian mathematician?
A: **Fields** Medal
3. What single word refers to a mix of rain and snow in Canada, but to ice pellets in the United States?
A: **sleet**
4. What religion has a founding principle that instead of seeking extremes like hedonism or asceticism, followers should take the middle path?
A: **Buddhism** (accept: **Buddhist** religion)
5. Inspired by a line from "You're on Your Own, Kid", what items were commonly made and exchanged by attendees of Taylor Swift's Eras Tour?
A: **friendship bracelets** (prompt on: **bracelets**)

Double Jump

6. Tapuy, soju, and sake ["SAH-kay"] are all alcoholic drinks made from what food item?
A: **rice**
7. What other Japanese rice wine is sweeter and less alcoholic than sake, and is commonly used for flavour in cooking and as a component of various sauces?
A: **mirin**

Double Jump

8. The second child of Rhea and Chronos and the mother of Persephone, who was the Greek goddess of the harvest?
A: **Demeter**
9. What lengthy, secretive rituals were held every year by the ancient cult of Demeter and Persephone to initiate its new members?
A: **Eleusinian Mysteries**

Set of 4

10. What travels at approximately 3 times 10 to the 8 metres per second in a vacuum?
A: **light** (accept: **photons**, **electromagnetic radiation/waves**)
11. What effect can be seen when a charged particle travels faster than the local speed of light, and is responsible for the blue glow of underwater nuclear reactors?
A: **Cherenkov** effect/radiation
12. What is the name for any hypothetical particle that travels faster than the speed of light?
A: **tachyons** ["TACK-yon"]

13. The speed of light as a universal speed limit that is the same in all frames of reference is key to what theory?
A: theory of **special relativity** (accept: **special theory of relativity**) (prompt on: theory of relativity, S.R.)

Jackpot

14. Part 1: Today commemorated by the Museum of our Lord in the Attic, what city developed a culture of churches hidden in residential buildings as a result of laws permitting freedom of religion in private spaces?
15. Part 2: This city's main business district is located outside the city centre, in the relatively new Zuidas [SOOT-uss] neighborhood.
16. Part 3: This city's government and opera house both use the Stoperia building. This city's Jewish quarter has its boundaries partially defined by the Zwanenburgwal.
17. Part 4: This city's central train station features a massive, underwater bicycle garage. This city is centred on a lengthy system of canals and is the largest in the Netherlands.
A: **Amsterdam**

Set of 3

18. The African Great Lakes are all located within what much larger geological feature, formed by the divergence of the African and Somalian tectonic plates?
A: **Great Rift Valley** (accept: **East African Rift** Valley/System)
19. Located in a volcanic crater within an existing depression in the Great Rift Valley, what lake in Djibouti is the lowest point in Africa?
A: Lake **Assal**
20. The northernmost coastline of the Great Rift Valley is found on what body of water, itself created by the separation of the Arabian plate and the African plate?
A: **Red** Sea

5-Part Blitz

21. What is the term for the liquid above the precipitate after centrifugation has been performed?
A: **supernatants** (accept: **supernates**)
22. What company recently walked away from a planned deal to buy Warner Brothers?
A: **Netflix**
23. Whose *Lobster Trap and Fish Tail* is an example of his mobile sculptures?
A: Alexander **Calder**
24. What letter is added to the end of singular first declension nominative Latin nouns to create the plural form, such as to larva or formula?
A: **e**
25. Later covered by Limp Bizkit, what song by the Who opens with the lyrics "No one knows what it's like / To be the bad man / To be the sad man"?
A: **"Behind Blue Eyes"**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Latin American Independence & Reality T.V.

Latin American Independence

26. What name is retroactively used for the republic that included modern-day Venezuela, Ecuador, and Panama in addition to the territory it still owns today?
A: **Gran Colombia** (accept: **Greater Colombia**)
27. In what country did Miguel Hidalgo lead an unsuccessful revolt against Spanish rule, sparking a struggle that led to its eventual independence in 1821?
A: **Mexico**
28. Upset by the dominance of peninsulares ["pen-in-su-LAR-ess"] before independence, what term refers to people of full Spanish descent born in the Americas?
A: **criollos** ["kree-OY-oss"] (prompt on: **creoles**)
29. In 1822, Dom Pedro I became the first emperor of what country after it gained independence from Portugal?
A: **Brazil**

Reality T.V.

30. Contestants try to demonstrate charisma, uniqueness, nerve, and talent while competing in mini and maxi challenges on what show?
A: **RuPaul's Drag Race** (prompt on: **Drag Race**)
31. Couples in which one partner does not want to commit to marriage are split up and assigned "trial marriages" with other people on what show by the hosts of *Love Is Blind*?
A: **The Ultimatum: Marry or Move On**
32. On what show do players participate in missions to try to build the prize fund up to 120,000 pounds, and possibly win shields that will protect them from murder if they are among the Faithful?
A: **The Traitors**
33. Who eliminated contestants with his catchphrase "You're fired!" at the end of every episode of *The Apprentice*?
A: Donald **Trump**

Double Jump

34. What periods of impaired functioning, characterized by inflated self-esteem and abnormally high energy, alternate with depression in sufferers of bipolar I?
A: **mania** (accept: **manic** episodes/periods)
35. What periods of high energy that last less than a week and are not considered to impair functioning alternate with depression in sufferers of bipolar II?
A: **hypomania** (accept: **hypomanic** episodes/periods)

Double Jump

36. Dances such as polonaises, minuets, and waltzes are usually composed in what time signature?
A: **3/4** ["three four"] time signature (prompt on: **triple** time)
37. What kind of triple-metre dance is the fourth movement in each of Bach's cello suites, the fifth of which is known for its slow tempo and mournful atmosphere?
A: **sarabandes**

Set of 4: Creature Features

38. Paul Rudd and Jack Black portray filmmakers seeking to remake what 1997 movie in a recent metafictional reboot of the same name?
A: **Anaconda**
39. What kind of animal terrorizes the New England town of Amity Island in a 1975 Steven Spielberg film?
A: **great white shark** (accept either bolded part)
40. Smuggler Andrew Thornton's drug shipment is consumed by an animal that then becomes aggressive in what 2023 film?
A: **Cocaine Bear**
41. The TV edit of what film contained many humorous attempts to censor profanity, such as the phrases "monkey-fighting" and "Monday to Friday" being substituted in an iconic line delivered by Samuel L. Jackson?
A: **Snakes on a Plane**

Set of 4: Algorithms

42. Exemplified by checking divisors from 1 to n to see if a number is prime, what sort of algorithm that checks all possibilities is easy to program but may run very slowly?
A: **brute-force** algorithms (prompt on: naive algorithms)
43. What sort of algorithm picks the locally optimal choice each time and may not produce the overall optimal result?
A: **greedy** algorithms
44. In 2025, researchers at Tsinghua University discovered a faster alternative to what algorithm that is used as the gold standard to find the shortest path?
A: **Dijkstra's** ["DIKE-stra's"] algorithm
45. The Akra-Bazzi method generalizes what method for the asymptotic analysis of specific kinds of divide-and-conquer algorithms?
A: **master** theorem

5-Part Blitz

46. In the context of business planning, what are the four concepts explored through a SWOT analysis?
A: **strengths** AND **weaknesses** AND **opportunities** (accept: **opportunity**) AND **threats**
47. What architect designed the Seagram Building in New York and the T.D. Centre in Toronto?
A: Ludwig **Mies** van der Rohe
48. What goaltender was signed by the Vegas Golden Knights after being acquitted of all charges in the Hockey Canada sexual assault scandal?
A: Carter **Hart**
49. What is the English equivalent of the Arabic word "bayda", the German word "Ei", and the Spanish word "huevo"?
A: **egg**
50. Conventions such as the Stayman or the Jacoby transfer are used to communicate information to one's partner in what trick-taking card game?
A: contract **bridge**

END OF FIRST HALF

THIRD QUARTER

Splits: George Bernard Shaw & *The Lord of the Rings*

George Bernard Shaw

51. What organization does the daughter of munitions manufacturer Andrew Undershaft work for in the play *Major Barbara*?
A: **Salvation Army**
52. What Canadian town hosts an annual festival staging Shaw's plays?
A: **Niagara-on-the-Lake**
53. Despite the protests of Roebuck Ramsden, Ann Whitefield chooses anarchist Jack Tanner as her guardian in what Shaw play inspired by the legend of Don Juan?
A: ***Man and Superman***
54. Who is challenged by Colonel Pickering to make Cockney flower girl Eliza Doolittle into a sophisticated and well-mannered woman in *Pygmalion*?
A: Professor **Henry Higgins** (accept either bolded part)

The Lord of the Rings

55. The opening chapter is centred around what character's "eleventy-first" birthday?
A: **Bilbo** Baggins (prompt on: Baggins)
56. The names Mairon, Annatar, The Necromancer, and Gothaur the Cruel all refer to what character, who forged the One Ring?
A: **Sauron**
57. Led by a figure who is foretold to be unkillable by the hand of man, what group of nine servants of Sauron opposes the fellowship throughout the story?
A: **Nazgul** (accept: **Black Riders**, **Ringwraiths**)
58. In the book, what three-word phrase is both the first and last thing that Gandalf says to the Balrog?
A: **"You cannot pass!"**

Set of 3: Bush Family Quotes

59. In order to reach a compromise with Democrats over the 1990 budget, George H.W. Bush had to break what six-word promise that he had made during the 1988 campaign?
A: **"Read my lips: no new taxes."**
60. After imploring all nations to "stop these terrorist killers", George W. Bush then said what four words during an outdoor interview, followed by the associated action?
A: **"now watch this drive"**
61. What two-word request did Jeb Bush make to his audience during a 2016 presidential campaign rally, spawning a viral clip?
A: **"please clap"**

Jailbreak

62. What former televangelist is Commander Fred's wife in *The Handmaid's Tale*?
A: **Serena Joy** (accept either bolded part)
63. What Greek city used the krypteia system to control and kill a class of slaves known as helots?
A: **Sparta**
64. What chemist gives his name to an empirical rule stating that in elimination reactions, the more substituted product is favoured?
A: Alexander **Zaytsev**
65. In Europe, Basque is the only currently spoken example of what kind of language, meaning that it has no relationship to any known language family?
A: language **isolates** (accept: linguistic **isolates**)

66. "Eternal Night Falls" was the subtitle for the first season of what hero shooter with playable characters like the Fantastic Four?
A: **Marvel Rivals**
67. By far the largest city in the Levant is what capital of Jordan?
A: **Amman**
68. What common prefix means "around" in Latin?
A: **circum**
69. Who was the first M.L.B. player ever to hit 30 home runs in a season, as well as the first ever to hit 40, 50, or 60?
A: **Babe Ruth** (accept either bolded part) (accept: George **Ruth**)
70. A polynomial of degree 4 can have at most how many x-intercepts?
A: **4**
71. What band released a concept album about a hotel and casino at the moon's Tranquility Base, but is better known for hits like "R U Mine?" and "Do I Wanna Know?"
A: **Arctic Monkeys**
72. The concept of "being-there", or "dasein", was introduced in the book *Being and Time* by what philosopher who later joined the Nazi Party?
A: Martin **Heidegger**
73. What animal appeared on a famous series of American nickels struck from 1913 to 1938?
A: American **buffaloes** (accept: American **bison**)
74. In what musical do characters repeatedly proclaim "he had it coming" in "Cell Block Tango", a number performed by six women accused of murder?
A: **Chicago**
75. What loose-fitting, casual type of garment associated with a so-called "season" has a name reflecting its use in warm times of year?
A: **sundresses**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: After arriving in a new city, what man was accepted as an arbiter by eleven of its tribes, and wrote a document that established relations between those tribes and his group of migrants?
77. Part 2: This non-European historical figure was mentioned in the title of a book by Belgian historian Henri Pirenne.
78. Part 3: The Battle of Badr kicked off a six-year-long war that this leader waged against the Quraysh ["KOOR-aysh"].
79. Part 4: To escape persecution by the Quraysh, this man had earlier moved to a city then known as Yathrib in the year 622. 8 years later, he would defeat the Quraysh and conquer Mecca.
A: **Mohammed/Muhammad**

Streak

80. Since 2019, identify the birth countries of up to all of the players who have won the N.B.A.'s Most Valuable Player award.
- A: **Greece**
- A: **Serbia**
- A: **Cameroon**

A: **Canada**

Streak

82. Name up to all of the Canadian prime ministers who have served non-consecutive terms in the role.

A: Sir John A. **Macdonald**

A: Arthur **Meighen**

A: William Lyon Mackenzie **King**

A: **Pierre** Elliott **Trudeau** (accept: **P.E.T.**, **Trudeau Sr.**, **Trudeau père**) (prompt on: **Trudeau**)

5-Part Mystery

84. Often romantic in subject, what kind of 14-line poems did Petrarch write many of?

A: Petrarchan/Italian **sonnets**

85. Domesticated from the guanaco, what camelid native to South America is used as a pack animal and is larger than the closely related alpaca?

A: **llamas**

86. By what single word is an airplane's first officer more colloquially known?

A: **copilots**

87. The Medusa Nebula is located in what constellation?

A: **Gemini**

88. Robert Heinlein's *Stranger in a Strange Land* coined what word that means to intuitively gain a profound understanding of something?

A: **grok**

[Theme: A.I. models]

12-Part Blitz

89. Which tower can be destroyed to win 3 Crowns and end the game in *Clash Royale*?

A: **King's** Tower (accept: **King** Tower)

90. What body of water has some unusually cold tropical areas due to the Humboldt current, though these areas warm significantly during El Nino events?

A: **Pacific** Ocean

91. Who discovered that Australian wildlife suddenly begins appearing east of Bali and Borneo, where a "line" is named after him?

A: Alfred Russell **Wallace**

92. Unlike in individual medley races, which stroke is swum first in medley relay races because the athlete must start in the water?

A: **backstroke** (accept: **back crawl**) (prompt on: **back**)

93. What is the two-word name of the object used to clean packed mud and debris out of the shoe area of a horse?

A: **hoof picks**

94. Who rapped about a woman from Kankakee ["KANK-uh-chee"] and about "Police steady watching me, every day they clockin' me" in his songs "Took Her to the O" and "Armed and Dangerous"?

A: **King Von** (accept: Dayvon **Bennett**) (prompt on: **Von**)

95. Give the first and last names of the current Supreme Leader of Iran.

A: **Mojtaba Khamenei**

96. Created through the use of tesserae, what style of artwork can be found inside Byzantine-era structures like the Basilica of San Vitale and the Dome of the Rock?

A: **mosaics**

97. What word can mean a roll of parchment or to browse on your phone?
A: **scroll**
98. The notes D-sharp, E, low B are repeated by the trombones and saxes in a syncopated rhythm to begin what big band number by Benny Goodman?
A: **"Sing, Sing, Sing** (with a Swing)"
99. What is the most stable conformation of cyclohexane?
A: **chair** confirmation
100. Guarani is the primary language of which South American country, ahead of Spanish?
A: **Paraguay**

END OF GAME