



2023-24 Post-Secondary Championship (T4) – Pack 10

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PACK 10

5-Part Blitz

1. After the Time of Troubles, what royal house took control of the Russian throne and held it until being overthrown in February 1917?
A: House of **Romanov**
2. What name is shared by China's space stations?
A: **Tiangong**
3. Conjugation is to verbs as what is to nouns, pronouns, and adjectives?
A: **declension**
4. What country's assembly of experts appoints its supreme leader, who has control over the Islamic Revolutionary Guard Corps?
A: **Iran**
5. An "archipelago" of what sort of location titles a series by Alexander Solzhenitsyn?
A: **gulags**

Double Jump

6. The *Venus de Milo* and *Mona Lisa* are both located in what Parisian art gallery?
A: **Louvre** Museum
7. What architect designed the Louvre pyramid?
A: **Pei** Ieoh Ming (accept: I.M. **Pei**)

Double Jump

8. In 1920, what player hit more home runs than any other whole team in the American League?
A: **Babe** Ruth (accept: George Herman **Ruth**)
9. One of the Babe's many career records is his mark of .690 ["six ninety"] in what rate statistic, 56 points ahead of Ted Williams?
A: **slugging** percentage

Set of 4

10. "Act" and "Rule" are two forms of what philosophical theory, which is based on the greatest happiness principle?
A: **utilitarianism**
11. Decades before John Stuart Mill, what Englishman founded utilitarianism, and is also remembered for proposing a prison that could be watched over by a single guard, the Panopticon?
A: Jeremy **Bentham**
12. In a 1975 book on their "liberation," Australian philosopher Peter Singer argued that utilitarian logic ought to be applied to what entities?
A: **animals**
13. What branch of utilitarianism argues that instead of following the "greatest happiness principle", we should instead seek to minimize suffering?
A: **negative** utilitarianism

Jackpot

14. Part 1: After Desiree is spurned by Fredrik in a Stephen Sondheim musical, she sings a reflective song partially titled for what type of people?
15. Part 2: One of these people is drinking at home alone when he is arrested for armed robbery, but it is later revealed that he was framed by Robert Terwilliger.
16. Part 3: In an opera titled for these people, one of them, Canio, discovers his wife's infidelity but resigns himself to going on with his work in the aria "Vesti la Giubba".
17. Part 4: Often ironically depicted as troubled or sad, such as in the opera *Pagliacci*, fictional examples of these people include Krusty from *The Simpsons* and Pennywise from *It*.
A: **clowns**

Set of 3: Computing Puzzles

18. What Asian city names a puzzle involving moving a stack of differently sized rings from one peg to another, often used as a way to teach recursion?
A: **Hanoi**
19. Name both mathematicians who name paths in graph theory – one that visits every vertex, and one that visits every edge.
A: Leonhard **Euler** AND William Rowan **Hamilton**
20. Each member of a party will starve if they all take the fork to the same side of their plate, in what problem in concurrent computing?
A: **dining philosophers** problem

5-Part Blitz

21. What is the largest city and financial capital of Tanzania?
A: **Dar es Salaam**
22. What term refers to stored energy that could do future work?
A: **potential** energy
23. What Sanskrit word can refer to the first precept of Buddhism, a principle of non-violence also found in other Indian religions such as Jainism?
A: **ahimsa**
24. What widow of Jack Layton won the 2023 mayoral by-election in Toronto?
A: Olivia **Chow**
25. The original edition of what board game sees six monsters try to collect 20 victory points by rolling six dice and strategically occupying the titular city?
A: **King of Tokyo**

END OF FIRST QUARTER

SECOND QUARTER

Splits: The Space Race & Musical Instruments in Literature

The Space Race

26. The Buran was the Soviet competitor of what American project?
A: **Space Shuttle** project (prompt on: shuttle project)

27. *Vostok 1* and *Sputnik 1* both launched from what facility, the chief spaceport of the Soviet Union?
A: **Baikonur Cosmodrome**
28. Later a US senator for 25 years, who was the first American to orbit the Earth?
A: John **Glenn**
29. Taraji P. Henson starred as Katherine Johnson in what 2016 film about the role of Black women in the space race?
A: ***Hidden Figures***

Musical Instruments in Literature

30. What object titles a novel about a character who decides at age 3 never to grow up, named Oskar Mazareth, and was written by Gunter Grass?
A: **tin drum** (prompt on: drum)
31. What instrument does Mrs. Marsalles teach the protagonist to play in Alice Munro's story "Dance of the Happy Shades"?
A: **piano**
32. Who created Gabriel, who blows a trumpet to enter heaven in one play, and also wrote "The Piano Lesson" as part of his "Pittsburgh Trilogy"?
A: August **Wilson**
33. What town was home to a man mythologized in the writings of Goethe and the Brothers Grimm, who plays a pipe to rid it of rats?
A: **Hamelin**

Double Jump

34. What circuit component with a hyphenated name can store a single bit of information?
A: **flip-flop**
35. In 2019, the tech startup CATALOG was able to store all 16 GBs of Wikipedia using what material? This material generally stores information in base 3 instead of base 2.
A: **DNA** (accept: **deoxyribonucleic acid**)

Double Jump

36. Home to radio and weather stations at its location on Ellesmere Island, less than 1000 kilometers from the North Pole, what Canadian community is the northernmost continuously-inhabited settlement in the world?
A: **Alert**
37. What was the first Canadian settlement to reclaim its traditional name, and is currently the northernmost accessible by road?
A: **Tuktoyaktuk**

Set of 4

38. Michelle Williams and Ana de Armas have each portrayed what other actress, whose life was fictionalized in the novel *Blonde*?
A: Marilyn **Monroe** (accept: Norma Jeane **Baker/Mortenson**)
39. What American author wrote *Blonde*?
A: Joyce Carol **Oates**
40. What musician took inspiration from Monroe's performance of "Diamonds Are a Girl's Best Friend" in the film *Gentlemen Prefer Blondes* for her music video for "Material Girl"?
A: **Madonna** (accept: Madonna **Ciccone**)

41. At the 2022 Met Gala, who controversially re-wore the gown that Monroe wore for John F. Kennedy's birthday gala?
A: **Kim Kardashian** (prompt on: Kardashian, Kim K)

Set of 4

42. Casimir Funk was the first scientist to classify what broad family of compounds as being essential to proper human metabolic function?
A: **vitamins**
43. Thiamine is the scientific name for what vitamin, whose deficiency can cause beri-beri?
A: vitamin **B1**
44. Retinol and beta-carotene are vitamins in what family, important for vision?
A: vitamin **A**
45. Pregnant women are advised to take what vitamin to help prevent neural tube defects in the embryo?
A: vitamin **B9** (accept: **folic acid, folate**)

5-Part Blitz

46. What isthmus connects Myanmar to the Malay Peninsula?
A: **Kra** Isthmus
47. Skip, Draw Two, and Reverse cards can be found in the deck of what Mattel game based on crazy eights?
A: **Uno**
48. Which continent is home to most of the Great Rift Valley?
A: **Africa**
49. What word is both a synonym for "triple" and the name of a common musical clef?
A: **treble**
50. Tove Jansson created what children's characters, white round trolls resembling hippos?
A: **Moomintrolls** (accept: **Moomins**)

END OF FIRST HALF

THIRD QUARTER

Splits: Railway Terminology & Recent Hit Songs

Railway Terminology

51. What distance's "standard" variety equals 1435 mm and is the distance between two rails on a track?
A: track **gauge** ["gaje"]
52. What is the name of the frame that holds the wheelset on a train car?
A: **bogie**
53. In what process are train cars individually sorted by namesake locomotives?
A: **shunting** (accept: **switching**)
54. What term refers to the loose rock foundation used below railway tracks?
A: **ballast**

Recent Hit Songs

55. What Alabamian rapper brags about her man "speedin' a Wraith" and "touching Emilio Pucci" on the track "Never Lose Me"?
A: **Flo Milli** (accept Tamia **Carter**)
56. Also referring to a rule of thumb in improv comedy, what is the title of Ariana Grande's comeback single released in January 2024?
A: **"Yes, And?"**
57. Name either of the two rappers who collaborated on "Stars", "Back to Me", and "Carnival", all tracks on their first collaborative album Vultures 1?
A: Kanye **West** (accept: **Ye**) (prompt on: Kanye) OR **Ty Dolla Sign** (accept: Tyrone **Griffin** Jr.)
58. What rapper born on January 1, 2000 states "you not even the fart" on one song, and "karma is that girl, like" on another song with Taylor Swift?
A: **Ice Spice** (accept: Isis **Gaston**)

Set of 3: African Cuisine

59. What country's national cuisine includes dishes like tibs and wat, which are commonly eaten over a sour flatbread called injera?
A: **Ethiopia**
60. Suugo suqaar ["SOO-go soo-CAR"] is a spaghetti dish from what African country, whose version of the samosa is called sambusa?
A: **Somalia**
61. Originating from the Senegambian region, what rice dish features prominently in Ghanaian and Nigerian cuisine?
A: **jollof** rice

Jailbreak

62. What kind of object is described as "yours to hold [...] high" after being thrown "from failing hands" in the poem "In Flanders Fields"?
A: the **torch**
63. Most of the world's land sits on what kind of crust?
A: **continental** crust (accept: **sial** crust)
64. Although high school music programs use transposing clarinets in the key of B-flat, what transposing key is more common in classical orchestral scores?
A: **A**
65. First Assembly, Final Cut, and Redux are all versions of what 1979 Francis Ford Coppola film, an adaptation of *Heart of Darkness* set during the Vietnam War?
A: **Apocalypse Now**
66. What country had an entirely green flag from 1977 to 2011, coinciding with the leadership of Muammar Gaddafi?
A: **Libya**
67. What is Russia's second-largest city?
A: **St. Petersburg**
68. What animal names a type of classic video game, exemplified by powerline.io, in which the player controls that animal as it moves around the screen and must avoid running into its own tail?
A: **snake**
69. What British luxury fashion house is known for its signature check pattern, originally used to line trench coats?
A: **Burberry**
70. The companies Duracell, GEICO, and Dairy Queen are all wholly owned subsidiaries of what Omaha-based holding company led by Warren Buffett?
A: **Berkshire Hathaway** (prompt on: Berkshire)

71. What process occurs when a particle collides with its antiparticle?
A: **annihilation** (accept word forms)
72. What fast, oar-and-sail-propelled ships made up the bulk of Mediterranean navies in the 16th and 17th centuries?
A: **galleys**
73. What is Dr. Oz's real first name?
A: **Mehmet**
74. What country contains the world's largest salt flat, Salar de Uyuni?
A: **Bolivia**
75. Instead of "quatre-vingt-dix", what word is used for ninety in Swiss and Belgian French?
A: **nonante**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What modern-day city stands on the site of the main city of a tribe known as the Carnutes?
77. Part 2: Attila the Hun was defeated at the Catalaunian Plains days after giving up his failed siege of this city. This modern-day city was initially named Kenabum, before being re-founded as a Roman settlement by the emperor Aurelian.
78. Part 3: The Battle of the Herrings was a failed attempt to relieve a different siege of this city. That siege was led by the Earl of Salisbury until he died in late 1428, and then the Earl of Suffolk.
79. Part 4: For her inspirational leadership in lifting its siege by English troops, Joan of Arc became known as the "Maid of" this city.
A: **Orléans**

Streak

80. Identify up to all six teams in the newly formed Professional Women's Hockey League.
- A: PWHL **Toronto**
- A: PWHL **Montreal**
- A: PWHL **Ottawa**
- A: PWHL **New York**
- A: PWHL **Boston**
- A: PWHL **Minnesota**

Set of 3: 3s in Chemistry

83. What is the common name for the isotope of hydrogen with an atomic mass of 3?
A: **tritium**
84. What class of hydrocarbons is defined by the presence of at least one carbon-carbon triple bond?
A: **alkynes** ["AL-kines"] (reject: **alkenes**)
85. Benzene derivatives with substituents in positions 1 and 3 are given what four-letter prefix?
A: **meta**

Set of 3: Also a Month

86. Offred has what first name on the *Handmaid's Tale* TV series?
A: **June**
87. Amy, Beth, Jo, and Meg have what surname in *Little Women*?
A: **March**
88. Since 2011, the federal riding of Saanich—Gulf Islands has been represented by whom in the House of Commons?
A: Elizabeth **May**

12-Part Blitz

89. What is the coldest national capital in the world by average temperature?
A: **Ulaanbaatar**
90. In RGB colour theory, what colour complements blue?
A: **yellow**
91. In the late 1800s, Argentina and Chile conquered Patagonia and Araucania from what Indigenous group?
A: **Mapuche**
92. What word refers to how close a set of measurements of the same quantity are to each other?
A: **precision**
93. Pilot's FriXion is the world's best selling model of what product?
A: **erasable pens**
94. Originating in Zoroastrianism and taking place on the spring equinox, what is the name of the Persian new year?
A: **Nowruz**
95. In 2005, what city replaced Yangon as the capital of Myanmar?
A: **Naypyidaw**
96. In what 2023 film can sounds of screaming and gunshots be heard in the background while the commandant of Auschwitz and his family live a blissful life next door?
A: **The Zone of Interest**
97. "The quick brown fox jumps over the lazy dog" is an example of what kind of sentence that uses every letter of the alphabet?
A: **pangram**
98. After his wife is diagnosed with early-onset dementia, Henry takes up a job at a national forest and begins a radio correspondence with Delilah in what game?
A: **Firewatch**
99. Hong Xiuquan's ["shyu-CHWAN"]'s proclamation that he was the brother of Jesus sparked what massive 19th-century war, in which as many as 20 million people may have died?
A: **Taiping rebellion** (accept: **Taiping Civil War**)
100. Revered by Shias as the first Imam and by Sunnis as the last rightly-guided caliph, what younger cousin of Mohammed was one of the first Muslims?
A: **Ali**

END OF GAME