



2024-25 Post-Secondary Qualifier (T2) – Pack 11

Head Editor: *Ian Greig*

Writers/Editors: *Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Yadu Kukenthiran, Jenny Mao, Malhaar Moharir, Jack van Nostrand, Ryan Sharpe, Joe Su, Isaac Thiessen, Zhongtian Wang, Adrian Wong*

PACK 11

5-Part Blitz

1. The rise of what ruler to the throne sparked the War of the Austrian Succession in 1740?
A: Maria Theresa
2. Whose law states that the total pressure that a mixture of gases exerts is equal to the sum of the partial pressures of each individual gas?
A: John Dalton
3. What city's Bankside Power Station is now home to the Tate Modern?
A: London
4. The Ain Dubai in the United Arab Emirates is the world's largest version of what kind of amusement park ride?
A: ferris wheel
5. Thomas Hobbes argued that life in what setting was "nasty, brutish, and short", whereas Jean-Jacques Rousseau argued that people in it lived freely and flourished?
A: state of nature

Double Jump

6. What first baseman, nicknamed "the Iron Horse", retired from the Yankees in 1939 after being diagnosed with ALS?
A: Lou Gehrig
7. In 1995, who broke Gehrig's record for most consecutive games played, a record that still stands today?
A: Cal Ripken, Jr. (prompt on: Cal Ripken)

Double Jump

8. What was the largest city in pre-Columbian America, described as grander than any European city by the conquistadors who destroyed it?
A: Tenochtitlan
9. Tenochtitlan and the nearby Aztec city of Tlatelolco both sat on what large mountainous lake, which no longer exists?
A: Lake Texcoco

Set of 4

10. Per its title, what profession does mild-mannered Gary Johnson pretend to hold in a recent Richard Linklater romantic comedy starring Glen Powell?
A: hit man
11. In what film by Jean-Pierre Melville does Alain Delon portray the stoic and solitary assassin Jef Costello?
A: *Le* Samourai
12. Both inspired by *Le Samourai*, what title is shared by a 1989 film by John Woo and a 2023 film by David Fincher?
A: *The* Killer

13. Nicknamed Black Mamba, what character exacts revenge on her former colleagues in the Deadly Viper Assassination Squad in the *Kill Bill* films?
A: The **Bride** (accept: **Beatrix Kiddo** (accept either bolded part))

Jackpot

14. Part 1: What politician was the subject of a 2023 biography by McKay Coppins subtitled "A Reckoning"?
15. Part 2: As governor, this politician achieved a 98% insurance rate in their state by signing a health care law seen as a predecessor to Obamacare.
16. Part 3: Later, this politician became the first senator in American history to vote to convict a president from their own party in an impeachment trial.
17. Part 4: After losing the presidential election to Barack Obama in 2012, this politician became a major Republican opponent of Donald Trump as a senator from Utah.
A: Mitt **Romney**

Set of 3: Chemistry of Medicine

18. What is the one-word common name of the compound with formula $C_4H_{10}O$, once commonly used as an anesthetic?
A: **ether**
19. ASA, or acetylsalicylic acid, is the scientific name of what drug?
A: **aspirin**
20. Ailments of what organ can be treated using an antacid?
A: **stomach**

5-Part Blitz

21. 5.97 times 10 to what power is the approximate mass of the Earth in kilograms?
A: **24**
22. Who scandalized critics by depicting a nude prostitute in his painting *Olympia* for the 1865 Paris Salon?
A: Édouard **Manet** (reject: Claude **Monet**)
23. In advance of the US government's ban on TikTok, what other Chinese-owned social media app briefly hit #1 on the App Store?
A: **RedNote** (accept: **RED**, **Xiaohongshu**)
24. More than two decades after its 2003 release, what city-building game by Maxis remains popular for its depth and detail?
A: **SimCity 4**
25. What term refers to typography symbols such as at signs, ampersands, and exclamation points, used to represent profanity in comics and cartoons?
A: **gawlix** (accept: **obscenicon**)

END OF FIRST QUARTER

SECOND QUARTER

Splits: Religious Prophets & Content Creators

Religious Prophets

26. In English, what four-letter abbreviation do Muslims customarily append after writing the name of a prophet such as Muhammad?
A: **PBUH**
27. Who is considered the foremost prophet in Judaism?
A: **Moses**
28. Who renounced traditional Iranian religion after receiving a vision of Ahura Mazda, and would later go on to found the faith that bears his name?
A: **Zoroaster** (accept: **Zarathustra**)
29. Who is said to have unearthed a set of golden plates that were buried near Manchester, New York, and later used them to transcribe the Book of Mormon?
A: Joseph **Smith**

Content Creators

All answers will be the names by which the individuals are known online, not their legal names.

30. In his video “Two Steps Ahead”, what YouTuber revealed a “social experiment” in which he had been secretly losing weight over two years while posting pre-recorded videos from when he was obese?
A: **Nikocado Avocado**
31. What Moroccan-Canadian video game streamer and co-founder of OfflineTV is the most-followed female streamer on Twitch?
A: **Pokimane**
32. After frequently cross-dressing as his e-girl persona “Rose” over the course of several years, what Twitch streamer came out as genderfluid in March 2024?
A: **F1NNSTER** [“finnster”]
33. A line of chocolate bars called Feastables and a namesake virtual burger chain are some of the side ventures of what YouTuber, best known for organizing challenges where he gives away large sums of money?
A: **MrBeast**

Double Jump

34. Directly referencing the webcomic it was based on, what TV show uses animated effects to evoke strong feelings of love, such as during Nick and Charlie’s first kiss?
A: **Heartstopper**
35. What all-boys grammar school is the setting of *Heartstopper*?
A: **Truham** Grammar School

Double Jump

36. How many metres does a ball travelling at a constant speed of 15 metres per second travel in 5 seconds?
A: **75** metres
37. You will have 5 seconds. How many metres does a ball, with an initial downwards velocity of 15 metres per second, travel under free-fall for 5 seconds, given that g equals 10?
A: **200** metres

Set of 4: Music of Manchester

38. What term was used to describe Manchester’s musical culture in the early 1990s, which saw artists combining indie rock with acid house and psychedelia?
A: **Madchester**

39. In August 2024, what band announced that it would reunite for a summer 2025 tour, despite the acrimonious relationship between founding members Liam and Noel Gallagher?
A: **Oasis**
40. Known for their unique cataloguing system, what record label featured bands such as the Happy Mondays, Joy Division, and New Order?
A: **Factory** Records
41. Shortly after their acrimonious breakup in 1987, two members of what band initiated legal proceedings against other members Johnny Marr and Morrissey for royalties?
A: The **Smiths**

4-Part Mystery Link

42. What animals of the genus Latrodectus have a tell-tale red hourglass marking on their abdomens?
A: **black widow** spiders (prompt on: widows)
43. What word means to produce a sharp stinging pain when it's a verb, or intelligent when it's an adjective?
A: **smart**
44. What type of athlete competes in the national sport of Bhutan?
A: **archer**
45. What kind of financial security is characterized by a creditor stake in a company?
A: **bond**

5-Part Blitz

47. If spades is trump in a game of Euchre, what two cards would be the right and left bowers?
A: the **jack of spades** AND the **jack of clubs**
48. What country's most common first languages include Sindhi, Pashto, and Punjabi, though its lingua franca is Urdu?
A: **Pakistan**
49. What compound, with chemical formula C₂H₆O₂, is commonly used as antifreeze?
A: **ethylene glycol**
50. What instrument is most associated with Chick Corea, Thelonious Monk, and Oscar Peterson?
A: **piano**
50. What German-Russian scientist gives his name to the most common climate classification system?
A: Wladimir **Koeppen**

END OF FIRST HALF

THIRD QUARTER

Splits: Music Theory & Geographical Extremes

Music Theory

51. The top line of the treble clef is what note?
A: **F**
52. A five to six cadence has what name?
A: **deceptive** cadence
53. In ascending order, what are the notes of a closed second inversion F-minor triad?
A: **C** natural, **F** natural, **A-flat**

54. What single word can be used to refer to the interval of a diminished fifth or an augmented fourth?
A: **tritone**

Geographical Extremes

55. What country contains the easternmost point of continental Africa?
A: **Somalia**
56. The lowest point on the Earth's surface is on the shores of what lake straddling Jordan, Israel, and the West Bank?
A: **Dead Sea**
57. What is the westernmost region of China, whose Uyghur ["WEE-gur"] population has been the target of ethnic cleansing in the past decade?
A: **Xinjiang** ["sheen-JYANG"]
58. What is the northernmost county of Maine?
A: **Aroostook** County

Set of 3: Thrones

59. Mughal Emperors sat on an ornate throne named for what bird native to India?
A: **peacocks**
60. Emperors of what nation sit on the Chrysanthemum Throne?
A: **Japan**
61. The Canadian governor-general delivers what address to open every new session of parliament?
A: **Speech from the Throne** (accept: **Throne Speech**)

Jailbreak

62. For the second year in a row, Canada was eliminated in the quarterfinals of the World Junior Hockey Championships by what country?
A: **Czechia** (accept: the **Czech Republic**)
63. Triangle Rewards is the digital version of what company's loyalty program, which features coupons resembling paper banknotes known as its namesake money?
A: **Canadian Tire**
64. The azide anion contains three atoms of what element?
A: **nitrogen** (accept: **N**)
65. The term for periods when public pools are closed to children inspired the name of what TV channel?
A: **Adult Swim**
66. What country with capital Maseru is completely surrounded by South Africa?
A: **Lesotho** ["luh-SOO-too"]
67. As opposed to French fries, the position in which the skis are angled outwards to slow down or stop is nicknamed after what food item?
A: **pizza** slice (accept: slice of **pizza**)
68. Electrical impedance is represented by what letter?
A: **Z**
69. A Yiddish word meaning a wooden beam is the origin of what word for a clumsy person?
A: **klutz**
70. What award is actually named for a sci-fi magazine founder with the last name Gernsback, not for the author of *Les Misérables*?
A: **Hugo** Award

71. Who developed a system in which each point is given two coordinates, visualized by two axes crossing to create four quadrants on a plane that is often named for him?
A: René **Descartes**
72. What kind of objects, which were once commonly used while driving, were kept under the dashboard in a namesake compartment?
A: driving **gloves**
73. What fairytale character names the range of orbits around a star that allows planets to support liquid water on their surface?
A: **Goldilocks**
74. In the 1540s, Francisco de Orellana became the first European to sail the full length of what river?
A: **Amazon** River
75. What artist used silkscreen printing to depict Campbell soup cans and Marilyn Monroe?
A: Andy **Warhol**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: Who introduces Grady O'Hanlon at a meeting in a novel that ends with him being told "I think I love you very much"?
77. Part 2: This character is frequently at odds with his traditional sister Alexandra over the way he raises his two children.
78. Part 3: This character's children are surprised to learn that his nickname was once "One Shot" from Miss Maudie after he shoots a rabid dog with ease.
79. Part 4: This character proves that Mayella Ewell was lying during his defense of Tom Robinson in *To Kill a Mockingbird*.
A: **Atticus** Finch (prompt on: Finch)

Streak

80. From negative pi radians to 2 pi radians, give every angle in radians at which tangent equals 1.
A: **pi/4** radians
A: **5pi/4** radians
A: **-3pi/4** radians

Streak

81. Name up to all of the British Overseas Territories in the Caribbean region.
A: **Anguilla**
A: British **Virgin Islands**
A: **Cayman Islands** (accept: **Caymans**)
A: **Montserrat**
A: **Turks and Caicos** Islands

Set of 5

84. In the early 2010s, the town of Saint-Louis-de-Blandford was the site of a theft of around 2,700 tonnes of what commodity from a QMSP warehouse, in what was the most valuable heist in Canadian history?
A: **maple syrup** (prompt on: syrup)
85. What term refers to a stand of trees that are tapped for their sap to produce maple syrup?
A: **sugarbush**
86. What line of McDonald's breakfast sandwiches is served on maple syrup-flavoured buns?
A: **McGriddles**
87. What colour classification is given to Canada Grade A maple syrup that transmits between 50 and 75 percent of light, making it one level darker than "golden" syrup?
A: **amber**
88. Which US state produces, by far, more maple syrup than any other?
A: **Vermont**

12-Part Blitz

89. A chronicle supposedly written by Confucius gave its name to what period in Chinese history that was followed by the Warring States period?
A: **Spring and Autumn** period
90. You will have five seconds. What anagram of "enraged" can also itself mean "enraged"?
A: **angered**
91. What is the common two-word name for the substance that sublimates at approximately -78.5 degrees Celsius?
A: **dry ice**
92. On what month and day was Queen Victoria's birthday?
A: **May 24th** (accept: **24th** of **May**, **May 2-4**)
93. What word did Czech writer Karel Capek ["KAH-rel CHAH-peck"] coin in his 1920 sci-fi play *R.U.R.*?
A: **robot**
94. As stated in the title of their debut album, the hip hop group NWA was "straight outta" what city in LA county?
A: **Compton**
95. What French word refers to a promenade or road by the water, typically cut along the face of a cliff?
A: **corniche**
96. What science is sometimes called the central science, because of the way it connects other fields of science to each other?
A: **chemistry**
97. What document recommended the introduction of responsible government and the unification of Upper and Lower Canada in the wake of the Rebellions of 1837?
A: Lord **Durham's Report**
98. What two South American countries do not recognize any Romance languages as official?
A: **Guyana** AND **Suriname**
99. Supposedly inspired by those worn by Venetian gondoliers, what kind of flat-brimmed, straw hat with a ribbon was very popular with men during early 20th century summers?
A: **boater** hat (accept: **skimmer** hat)
100. Tee KO, Mad Verse City, and Quiplash can all be found in what series of multiplayer video games?
A: **Jackbox** Party Pack

END OF GAME