



2022-23 High School Winter Qualifier (T2) – Pack 6

Head Editor: *Zhongtian Wang*

Writers/Editors: *Odin Fisher-Skau, Max Gedajlovic, Ian Greig, Paul Kasiński, Ryan Sharpe, Joe Su, Isaac Thiessen, Gaian Valdegamo, Colin Veevers, Zhongtian Wang, Joyce Xi*

PACK 6

FIRST QUARTER

6-Part Blitz

1. In what city did John Snow trace the origin of a cholera outbreak to a contaminated well in 1854?

A: **London**

2. An icosahedron has how many sides?

A: **20**

3. What name is given to the Latin translation of the Bible published in the 4th century?

A: **Vulgate** Bible

4. What 2023 game features antagonists such as Ranrok, who leads a goblin rebellion against the wizarding world?

A: **Hogwarts Legacy**

5. What animal's scientific name is *Castor canadensis*?

A: North American/Canadian/American **beaver**

6. The Crunchwrap Supreme is produced by what fast food chain?

A: **Taco Bell**

Set of 4: The Atomic Nucleus

7. Eight protons are in the nucleus of every atom of what element?

A: **oxygen** (accept: **O**)

8. Which fundamental force holds together the protons and neutrons in the nucleus?

A: **strong** nuclear force (accept: **strong** interaction)

9. What German-American physicist proposed the nuclear shell structure of the nucleus?

A: Maria **Goeppert Mayer** (accept either underlined part)

10. The radioactive isotope of carbon used in radiocarbon dating has how many nucleons?

A: **14**

Set of 4: ABBA

11. ABBA won Eurovision in 1974 with what song that recalls how “Napoleon did surrender”?

A: **“Waterloo”**

12. What disco-influenced ABBA album features the songs “Does Your Mother Know” and “Chiquitita”?

A: **Voulez-Vous**

13. After ABBA broke up, many of their biggest hits were included on what compilation album, one of the highest-selling of all time?

A: *ABBA* **Gold: Greatest Hits**

14. Stellan Skarsgard, Colin Firth, Pierce Brosnan, Amanda Seyfried, and Meryl Streep all star in two jukebox musicals featuring many ABBA songs. Name either.

A: **Mamma Mia!** OR **Mamma Mia! Here We Go Again**

Jackpot

15.

Part 1: What island is represented by an unofficial flag consisting of three vertical bars of green, white, and pink?

Part 2: Trepassy [“truh-PASS-ee”], Placentia, and Stephenville are among this island’s many outposts.

Part 3: Conception Bay cuts into the northern part of this island’s Avalon peninsula.

Part 4: The easternmost point in North America, Cape Spear, is located near this island’s largest city of St. John’s.

A: **Newfoundland**

Set of 3: -osis Words

The answers to the following questions all end with the letters O-S-I-S.

19. What is the medical term for bad breath?

A: **halitosis**

20. Desalination plants commonly use the “reverse” form of what process to separate salt and contaminants from water?

A: reverse **osmosis**

21. What is the second-largest lake in Manitoba?

A: Lake **Winnipegosis**

Streaks

22. Name up to 5 of the top 10 biggest singles of 2022 according to Billboard's 2022 year-end Hot 100 singles.

A: (any five of:) "Heat Waves", "As It Was", "Stay", "Easy On Me", "Shivers", "First Class", "Big Energy", "Ghost", "Super Gremlin", "Cold Heart (Pnau remix)"

24. Name up to all three of the countries that Honduras borders.

A: Guatemala, El Salvador, Nicaragua

SECOND QUARTER

Splits: Dinosaurs & Dog Breeds

Dinosaurs

26. What genus of armoured dinosaur includes a distinctive tail club used for combat?

A: ankylosaur (accept: Ankylosaurus)

27. What major Canadian city names a genus of duck-billed dinosaurs, or hadrosaurs?

A: Edmonton

28. What genus of dinosaur gets its name from its three horns?

A: triceratops

29. After which final period of the Mesozoic did the non-avian dinosaurs go extinct?

A: Cretaceous period

Dog Breeds

30. What word refers to a dog of mixed or unknown breed?

A: mutt (accept: mongrel)

31. What dogs were bred to rescue people stranded in the Alps?

A: St. Bernard dog

32. What two breeds are crossbred to make a cockapoo?

A: cocker spaniel AND poodle

33. What is the most common breed used as guide and service dogs?

A: labrador retriever

Set of 3: Glacial Geography

34. What is the largest glacial lake in the world, and also the largest of the Great Lakes?

A: Lake **Superior**

35. What egg-shaped hills are formed by sediment deposited as a glacier moves?

A: **drumlins**

36. What type of long, narrow marine inlets created by receding glaciers are common in Norway?

A: **fjords**

Set of 4: Rooms

37. David travels to Paris and has an affair with the titular Italian bartender in what James Baldwin novel?

A: ***Giovanni's Room***

38. In 2002, iRobot introduced the world to what autonomous vacuum cleaner?

A: **Roomba**

39. Taking its name from a Hamilton song, what is the name of former US National Security Advisor John Bolton's memoir?

A: ***The Room Where It Happened***

40. What idiom refers to an uncomfortable yet important topic that people shy away from addressing?

A: the **elephant in the room**

Set of 4: Notoriously Challenging Novels

41. Set at the end of World War II, what Thomas Pynchon novel is named after the arc of a V-2 rocket's trajectory?

A: ***Gravity's Rainbow***

42. Featuring the elusive John Galt, what longest Ayn Rand novel is named in part after a Greek Titan?

A: ***Atlas Shrugged***

43. Who used the sentence fragment "riverrun, past Eve and Adam's" to open *Finnegans Wake*, and also wrote the similarly challenging *Ulysses*?

A: James **Joyce**

44. Also a prolific essayist, who made considerable use of endnotes and footnotes in his magnum opus, *Infinite Jest*?

A: David Foster **Wallace**

6-Part Blitz

45. The Tonton Macoute were a secret police force loyal to Papa Doc in what country?

A: **Haiti**

46. A match lasting up to five days, played between any two of the twelve full members of the International Cricket Council, is referred to by what term?

A: **test** match

47. What is 203 minus 154?

A: **49**

48. What philosopher wrote the phrase “cogito, ergo sum”?

A: René **Descartes**

49. What is the highest-selling series of video games produced by Square Enix?

A: **Final Fantasy**

50. Meng Wanzhou is the CFO of what company?

A: **Huawei**

THIRD QUARTER

Splits: The Punjab & Plays and Playwrights

The Punjab

51. What two countries share the Punjab region between them?

A: **India** AND **Pakistan**

52. Punjabi is one of the few Indo-European languages to have what feature, which arose when some consonants lost their aspiration?

A: **tones** (accept: **tonality**) (reject: **intonation**)

53. The region's third-most-followed, what religion was founded by Guru Nanak in the 16th-century Punjab? Its followers often take the last names Kaur and Singh.

A: **Sikhism**

54. The historical capital and largest city of the Punjab is what city, the capital of Pakistan's Punjab province?

A: **Lahore**

Plays and Playwrights

55. What playwright's works include *Electra and Antigone* ["an-TIG-uh-nee"], also serving as inspiration for Sigmund Freud's theory of the Oedipus ["EE-dip-us"] complex?

A: **Sophocles**

56. In what play's opening narration are the coordinates of the play's primary setting in New Hampshire given by the stage manager?

A: **Our Town**

57. What play by Tom Taylor was being performed at Ford's Theatre the night of Abraham Lincoln's assassination?

A: **Our American Cousin**

58. What Irishman won the 1969 Nobel Prize in Literature for works such as *Waiting for Godot*?

A: Samuel **Beckett**

Set of 5: 19th-Century Composers

59. What composer's "Étude on the Bombardment of Warsaw" is also nicknamed his "Revolutionary Étude"?

A: Frédéric **Chopin**

60. Who composed the *American Quartet* and the *New World Symphony*?

A: Antonin **Dvorak**

61. An orchestral piece by what English composer uses musical cryptograms as its variations, the most famous of which is *Nimrod*?

A: Edward **Elgar**

62. Who composed a minor-key version of the nursery rhyme "Frère Jacques" that is heard in the third movement of his *Titan* symphony?

A: Gustav **Mahler**

63. An excerpt of the incidental music *Le Fils des étoiles* is considered the seventh Gnossienne by what composer of *Gymnopédies*?

A: Erik **Satie**

Jailbreak

64. Who names the act of registering a goal, an assist, and a fight in the same game, known as his "hat trick"?

A: Gordie **Howe**

65. What novel by Stephen Chbosky is told through a series of letters written by Charlie to an unnamed friend?

A: *The **Perks of Being a Wallflower***

66. In what year did the battles of Stamford Bridge and Hastings take place?

A: **1066**

67. In what exercise does a person lie on their back and lift a barbell up above their chest?

A: **bench** press

68. What series of tiny computers often used in robotics is homophonous with a type of dessert?

A: **Raspberry Pi**

69. Commonly used in the British Isles to express body weight, what unit is equal to about 14 pounds?

A: **stones**

70. The Boston Pride are the current holders of the Isobel Cup, the championship trophy of what women's hockey league?

A: **Premier Hockey Federation** (accept: **PHF**)

71. What age followed the Bronze Age in the standard three-age classification of human prehistory?

A: **Iron** Age

72. What is the only venomous snake native to Ontario?

A: **Massasauga** rattlesnake/rattler

73. People from what country are colloquially known as Kiwis?

A: **New Zealand**

74. What vegetable is also called an aubergine?

A: **eggplant**

75. Athens primarily fought against what city-state in the Peloponnesian War?

A: **Sparta**

FOURTH QUARTER

Jackpot

76.

Part 1: Who developed the “worlds theory”, according to which their independent self is separate from their relationship self, and will be killed by their relationship self if their different worlds come together?

Part 2: This person invented an importer-exporter named Art Vandelay to use as a cover story.

Part 3: Played by Jason Alexander, this character worked an office job for the Yankees for several years and was engaged to Susan Ross.

Part 4: This neurotic, stocky, balding man is Jerry's longtime best friend on *Seinfeld*.

A: **George Costanza** (accept either underlined part)

Set of 3: Comical Cats

80. What cat, known for kicking Odie off the table, is Jim Davis' most famous creation?

A: **Garfield**

81. What other orange cat is obsessed with ham and expresses his thoughts by wearing helmets with words printed on them in his namesake comic?

A: **Heathcliff**

82. What antiheroine, the alter ego of Selina Kyle, is known for having a love-hate relationship with Batman?

A: **Catwoman**

Double Jumps

83. What document was disparagingly described as “an armistice for twenty years” by French general Ferdinand Foch [“fosh”]?

A: **Treaty of Versailles** (accept: **Versailles treaty**)

84. What is the most common nickname of Article 231 of the treaty, which forced Germany to accept full responsibility for the war and its damages?

A: **War Guilt Clause**

85. The first Pixar feature film solely directed by a woman, what movie follows Mei Lee as she grows up in early-2000s Toronto and transforms into a giant red panda when her emotions run high?

A: **Turning Red**

86. Domee Shi, the director of *Turning Red*, earlier gained recognition for directing what Pixar short film that was screened in theatres along with *Incredibles 2*? The short follows a woman who raises an anthropomorphic steamed bun as her child.

A: **Bao**

87. What country underwent the Time of Troubles from 1598 to 1613, ending in the accession of the Romanov dynasty?

A: **Russia**

88. Because they were all impersonators of Ivan the Terrible's youngest son, what first name was used by several pretenders to the Russian throne during the Time of Troubles?

A: **Dmitry**

12-Part Blitz

89. How many dozens are in a gross?

A: **12** (accept: a **dozen**)

90. What disorder is primarily characterized by recurrent seizures?

A: **epilepsy**

91. What caliphate succeeded the Rashidun Caliphate?

A: **Umayyad** Caliphate

92. What synonym for "bird of prey" comes from the Latin word meaning "to seize"?

A: **raptors**

93. Spheksophobia is the fear of what insects?

A: **wasps** (accept: **hornets**)

94. What martial art has flowing movements because it was disguised as a dance by the slaves who created it in Brazil?

A: **capoeira**

95. According to their loading screen, what is the name of Discord's logo?

A: **Clyde**

96. Members of what now-extinct genus, whose name translates to "southern ape", were the ancestors of the genus Homo?

A: **Australopithecus**

97. What word describes the state of physical and chemical equilibrium maintained in the human body?

A: **homeostasis**

98. What two-word term, used by Pat Buchanan in his speech at the 1992 Republican National Convention, refers to political and societal conflict over divisive social issues?

A: **culture wars**

99. What grammatical mood is used when giving commands?

A: **imperative** mood

100. Which American president established diplomatic relations with the People's Republic of China?

A: Richard **Nixon**