



2022-23 High School Winter Qualifier (T2) – Pack 3

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 3

FIRST QUARTER

6-Part Blitz

1. What sea lies to the east of Great Britain?
A: **North** Sea
2. What term refers in general to modern Western philosophy that falls outside the analytic tradition?
A: **continental** philosophy
3. Invented in the 1930s, what durable, opaque type of paint dries significantly more quickly than oil paint?
A: **acrylic** paint
4. What is the greatest common factor of 51 and 85?
A: **17**
5. The *Christmas Concerto* is the best-known work of what Italian Baroque composer?
A: Arcangelo **Corelli**
6. Michael Bublé appears in commercials for what brand of sparkling water?
A: **bubly**

Set of 5: Mesopotamia

7. The name of Mesopotamia comes from its location between which two rivers?
A: **Tigris** River AND **Euphrates** River
8. What writing system was developed in Mesopotamia by the Sumerians and was characterized by wedge-shaped signs?
A: **cuneiform**
9. Which of the Seven Wonders of the Ancient World was said to have been built in Mesopotamia by Nebuchadnezzar II?
A: **Hanging Gardens** of Babylon
10. What Mesopotamian goddess was associated with both love and war, and plays an important role in the *Epic of Gilgamesh*?
A: **Ishtar** (accept: **Inanna**)
11. In what modern-day country was most of Mesopotamia located?
A: **Iraq**

Jackpot

12.

Part 1: The Turkish word for what things is spelled with the same Arabic letters as the word "Allah", causing them to often be used as religious symbols in Turkey? Their English name originally derives from a word meaning "turban".

Part 2: These things have long been a symbol of martyrdom in Iran, where they were first cultivated. The emblem on Iran's flag is meant to resemble one of these things.

Part 3: Every May, the world's largest festival celebrating these plants is held in a city that received 100,000 of them as a gift in 1945, as thanks for help given during World War II.

Part 4: These flowers were the cause of the world's first economic bubble, which occurred during their namesake "mania" in 1630s Holland.

A: **tulips**

Set of 4: Magnetism

16. What scientist's law of magnetism states that the net magnetic flux around any closed surface is zero?

A: Carl Friedrich **Gauss**

17. What metal is found in magnetite?

A: **iron** (accept: **Fe**)

18. What law states that an induced current will produce a magnetic field that opposes the motion of the initial magnetic field?

A: **Lenz's** law

19. What "S"-word is used for a long helical electromagnet?

A: **solenoid**

Linked Set of 6

20. From what country does the samba originate?

A: **Brazil**

21. From 1957 to 1971, who scored 77 goals for the Brazilian national men's soccer team?

A: **Pele** (accept: Edson Arantes do **Nascimento**)

22. The creation of which American state's landmass is mythologically attributed to a god named Pele?

A: **Hawaii**

23. What tropical fruit is found on Hawaiian pizza?

A: **pineapple**

24. As per the first lines of the show's theme song, who lives in a pineapple under the sea?

A: **SpongeBob SquarePants** (accept either underlined part)

25. What frequently-meowing companion lives with SpongeBob as a pet?

A: **Gary** the Snail

SECOND QUARTER

Splits: Years in Popular Music & First Aid

Years in Popular Music

26. *Being Funny in a Foreign Language* is a 2022 album by what British band, also known for the songs "Girls" and "Chocolate"?

A: The **1975**

27. What year completes the name of the band Death From Above, and also titles a song in which "cool kids never have the time" by Smashing Pumpkins?

A: **1979** (prompt on: 79)

28. December of what year is the setting of the song also called "Oh, What a Night", by Frankie Valli and the Four Seasons?

A: **1963** (prompt on: 63)

29. "Blank Space" and "Shake it Off" are tracks on what album, named after the year Taylor Swift was born?

A: **1989** (prompt on: 89)

First Aid

30. Found in schools and public buildings in its "automated external" version, what device can be used to restart the heart?

A: automated external **defibrillator** (accept: **AED**)

31. "Face", "arms", "speech", and "time" make up a mnemonic for the warning signs of what condition?

A: **stroke**

32. Contrasted with casts, which immobilize the entire affected area, what stabilizing devices are often applied to minor injuries such as fractured fingers?

A: **splints**

33. Named after an American doctor, what first aid procedure consists of delivering sharp thrusts to the diaphragm of a choking person?

A: **Heimlich** manoeuvre

Set of 3: Fashion Designers

34. Saving Gucci from near-insolvency during his tenure as creative director in the 90s, what American fashion designer launched his own luxury menswear brand in 2006?

A: Tom **Ford**

35. What Italian fashion designer collaborated with Salvador Dali on surrealist designs such as her Tears ["tares"] Dress and Lobster Dress?

A: Elsa **Schiaparelli** ["skya-pa-RELL-lee"]

36. What French fashion designer, who collaborated with Nazi occupiers of France, popularized the Little Black Dress?

A: Coco **Chanel**

Double Jumps

37. What longest-reigning French monarch was also known as the Sun King?

A: **Louis XIV** ["the fourteenth"] (prompt on: Louis)

38. Louis XIV's proclamation of the Edict of Fontainebleau effectively abolished the rights of what French Calvinist minority?

A: **Huguenots**

39. "Mike", "Sam", and "Will" are nicknames for different kinds of what football position, which plays behind the defensive line and in front of the secondary?

A: **linebacker**

40. One of just two defensive players to win the NFL MVP award, what New York Giant from the 1980s is regarded as the best linebacker of all time?

A: Lawrence **Taylor** (prompt on: LT)

Set of 4

41. In order to buy a house in Canada with less than a 20% down payment, it is mandatory to purchase what from the CMHC?

A: **insurance** (accept: mortgage loan **insurance**)

42. What term beginning with "P" refers to the monthly payment needed to maintain insurance coverage?

A: **premium**

43. What term refers to the out-of-pocket expense that the holder must pay before the insurance coverage applies?

A: **deductible**

44. What American investor found his first major successes through insurance investments, and is the owner of GEICO through his holding company Berkshire Hathaway?

A: Warren **Buffett**

6-Part Blitz

45. *Journey's End* was the last major update for what two-dimensional sandbox game that has often been compared to *Minecraft*?

A: **Terraria**

46. Who plays Dominic in the *Fast & Furious* franchise and coincidentally has a surname that is a type of fuel?

A: Vin **Diesel**

47. What person's descendents are called Sayyids and Sayyidas?

A: **Muhammad**

48. Taking place over a repeating three-day period, in which Zelda game does Link attempt to stop the moon from crashing into the world of Termina?

A: *Legend of Zelda: **Majora's Mask***

49. Who once scored five goals in nine minutes in a Bundesliga game against Wolfsburg?

A: Robert **Lewandowski** ["le-van-DOV-skee"]

50. What name is given to the interference pattern heard when two musical instruments play the same note out of tune by a few Hertz?

A: **beat** frequency

THIRD QUARTER

Splits: Bases in Chemistry & India

Bases in Chemistry

51. According to Arrhenius, what ion's concentration is increased upon dissociation of a base?

A: **hydroxide** (accept: **OH minus**) (prompt on: OH ion)

52. What acid-base indicator turns pink in presence of a base?

A: **phenolphthalein** [“fee-nol-THAY-leen”]

53. What American chemist defined a base as an electron donor, and also developed a namesake dot diagram?

A: Gilbert Newton **Lewis**

54. What colour does litmus paper turn in the presence of a base?

A: **blue**

India

55. “Jana Gana Mana”, the Indian national anthem, was composed by what Bengali poet and Nobel laureate?

A: Rabindranath **Tagore**

56. What is India’s most widely-spoken language, spoken by about half of the population?

A: **Hindi** (accept: **Hindustani**)

57. What colour is the bottom stripe of the Indian flag?

A: **green**

58. Of India’s 10 all-time Olympic gold medals, 8 have come in what sport?

A: **field hockey** (reject: hockey)

Jackpot

59.

Part 1: Who is reprimanded by Muriel Stacy for attempting to covertly read the novel *Ben Hur*?

Part 2: After a death in the family, this character declines the Avery scholarship and takes a job teaching at their local school.

Part 3: This character accidentally gets her friend Diana Barry drunk by serving her currant wine instead of raspberry cordial.

Part 4: This character is known for her imaginative spirit and vivid red hair. She is the most famous creation of Lucy Maud Montgomery.

A: **Anne Shirley** (accept either underlined part) (accept: **Anne** of Green Gables)

Streaks

63. Name up to all of the six largest moons in the Solar System.

A: **Ganymede**, **Titan**, **Callisto**, **Io**, Earth’s **Moon** (accept: **Luna**), **Europa**

Set of 4: Synonyms in Different Contexts

Given three words or terms, give the word that can, in different contexts, be a synonym for all three. For example, if I said “Dead, near the end of the day, delayed”, you would say “late”.

66. Manual, adhere, twig.

A: **stick**

67. Departed, remaining, port.

A: **left**

68. Final, incurable, passenger building of an airport.

A: **terminal**

69. Envious, inexperienced, unripe.

A: **green**

6-Part Blitz

70. In what year did the Great Fire of London take place?

A: **1666** (prompt on: 66)

71. Considered disrespectful to use, what word refers to the former name of a transgender person from before they came out?

A: **deadname**

72. The ileum, jejunum, and duodenum are sections of what organ?

A: **small intestine** (reject partial answers)

73. Who was removed as minister of finance following a feud with Jean Chrétien, and was later Prime Minister from 2003 to 2006?

A: Paul **Martin** Jr.

74. What diacritic is found in the names of the bands Motörhead and Blue Öyster Cult?

A: **umlaut** (accept: **diaeresis**)

75. Who discovered polonium and radium?

A: **Marie Curie** (accept: Marie **Skłodowska** [“skwod-OFF-ska”]) (prompt on: Curie)

FOURTH QUARTER

Set of 3: Egypt

76. The eastern coast of the Sinai Peninsula is on what gulf, named for a city in Jordan?

A: Gulf of **Aqaba**

77. Not including the emblem in the middle, name all three colours present on Egypt's flag.

A: **red** AND **white** AND **black**

78. From 1517 until the end of the 18th century, what empire controlled Egypt?

A: **Ottoman** Empire

Double Jumps

79. The Forks, referring to the confluence of the Red and Assiniboine rivers, can be found in what Canadian city?

A: **Winnipeg**

80. Just north of the Forks lies the Canadian Museum for what? It is the only national museum located west of Ottawa.

A: Canadian Museum for **Human Rights**

81. What period of Chinese history saw the Down to the Countryside movement and the widespread persecution of landlords, intellectuals, and other perceived non-communists?

A: **Cultural Revolution**

82. What is the common name for the Quotations from Chairman Mao Zedong, a booklet widely distributed during the Cultural Revolution as part of Mao's cult of personality?

A: **Little Red Book**

83. The titular character exclaims "Water, water, every where, / Nor any drop to drink" in what longest Samuel Taylor Coleridge poem?

A: *The* **Rime of the Ancient Mariner**

84. What other Coleridge poem, considered to be unfinished, describes the relationship between Geraldine ["JAYR-rul-dyne"] and the titular female character?

A: **Christabel**

Set of 4: How-To

85. Viola Davis starred as a defense attorney and law professor on what ABC show?

A: **How to Get Away with Murder**

86. One of the best-selling books of all time, what self-help book was written in 1936 by Dale Carnegie?

A: **How to Win Friends and Influence People**

87. Daniel Radcliffe starred in a 2011 revival of what musical, based on a book of the same name, in which J. Pierrepont Finch rises from window washer to chairman of the board of a large company?

A: **How to Succeed in Business Without Really Trying**

88. Hiccup tames and befriends Toothless in what 2010 DreamWorks movie?

A: **How to Train Your Dragon**

12-Part Blitz

89. At what chain could you order an Iced Capp?

A: **Tim Hortons**

90. Name either of the main characters of the 2013 game *The Last of Us*.

A: **Joel Miller** (accept either underlined part) OR **Ellie Williams** (accept either underlined part)

91. What letter can name the bass clef and the two holes in a violin?

A: **F**

92. What common deciduous trees belong to the *Acer* ["AY-sir"] genus?

A: **maple** trees

93. Usually traversed by drawbridges, what water-filled trenches were used to protect castles in Medieval Europe?

A: **moats**

94. Showing that a statement is true for $n=1$, then showing that the truth of the statement for n implies its truth for $n+1$, describes what method of mathematical proof?

A: mathematical **induction** (accept: proof by **induction**)

95. What is the tallest mountain in North America?

A: **Denali** (accept: Mount **McKinley**)

96. Who is the current governor of the Bank of Canada?

A: Tiff **Macklem**

97. No-man's land between the trenches of World War I was filled with what kind of metal obstruction?

A: **barbed wire** (prompt on: wire)

98. What city names an altarpiece by Jan van Eyck as well as the treaty that ended the war of 1812?

A: **Ghent**

99. Chris Pratt will voice what video game character in an upcoming movie?

A: **Mario**

100. What kind of oven is used to make bricks or pottery out of clay?

A: **kiln**