



2023 Summer Open (T3) – Pack 7

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PACK 7

FIRST QUARTER

4-Part Blitz

1. What kind of animal travels across a post-apocalyptic walled city alongside the robot B-12 in the 2022 game *Stray*?

A: **cat**

2. What Roman emperor founded a cult to deify his deceased lover Antinous ["an-TIN-oh-us"] and kept the Picts out of Britannia with a namesake wall?

A: **Hadrian**

3. Who was the coach of the Toronto Maple Leafs when they last won the Stanley Cup in 1967?

A: George "Punch" **Imlach**

4. What nucleobase replaces thymine in RNA?

A: **uracil** (prompt on: U)

Jackpot

5.

Part 1: What metal is coordinated to an ethylene molecule in one of the first organometallic compounds ever synthesized, Zeise's ["Zice's"] Salt?

Part 2: An atom of this metal is bonded to two atoms of chlorine and two ammonia groups in a common chemotherapy drug.

Part 3: The standard hydrogen electrode is made from the "black" form of this element.

Part 4: Catalytic converters are often stolen because they contain a significant amount of rhodium, palladium, and this element, which is found directly to the left of gold on the periodic table.

A: **platinum** (accept: **Pt**)

Set of 4: Add a T

You will be given the definition of a word, and then the definition of a second word which can be created from the first word by adding a "T" and not rearranging any letters. Provide both words.

9. Expected on a certain date; a performance in which two singers sing together.

A: **due** AND **duet**

10. A pointy part of some animals; a pointy part of some plants.

A: **horn** AND **thorn**

11. A symbol indicating how to read the notes on a staff; an adjective that can describe some hooves and some chins.

A: **clef** AND **cleft**

12. A person who hoards wealth; a title used to address a man.

A: **miser** AND **mister**

Set of 4: Notable Numbers

13. What is Jean Valjean's prisoner number in *Les Misérables*?

A: **24601**

14. The construction of a Kepler triangle makes use of what irrational number, which is equal to one plus root five, all over two?

A: **golden ratio** (accept: **phi**)

15. What single-digit number is considered to bring fortune in Chinese culture?

A: **eight**

16. Coined by nine-year-old Milton Kasner in 1920 and more famously used by Larry Page, what word refers to one followed by a hundred zeroes?

A: **googol**

Double Jumps

17. Who sings about "late nights endin' alone" and "conversations with a stranger I barely know" in his 2021 hit "Bad Habits"?

A: Ed **Sheeran**

18. What Ed Sheeran song with a card games theme has a popular remix version sung as a duet between Sheeran and Taylor Swift?

A: "The **Joker and the Queen**"

19. Named for a mythological princess, what is the nearest large galaxy to the Milky Way?

A: **Andromeda** galaxy

20. The Milky Way and Andromeda, along with their satellites, form what collection of galaxies?

A: **Local Group**

Set of 5: Canadian Confederation

21. Name all three leaders of the Great Coalition, the temporary political alliance that made Confederation possible.

A: John A. **Macdonald**
AND George-Étienne **Cartier**
AND George **Brown**

22. Now referred to as the Constitution Act of 1867, what act did Queen Victoria sign to make Confederation official?

A: **British North America** Act, 1867 (accept: **BNA** Act, 1867)

23. What new name was given to Canada East after Confederation?

A: **Quebec**

24. Although it did not join Canada until 1873, which province calls itself the "Birthplace of Confederation" because it hosted an 1864 conference in its capital?

A: **Prince Edward Island** (accept: **PEI**)

25. What last governor general of the Province of Canada was also the first governor general of the Dominion of Canada?

A: Charles Stanley **Monck**

SECOND QUARTER

Splits: American National Parks & Units of Length

American National Parks

26. Which National Park was the first in the world to be established and contains the geyser known as Old Faithful?

A: **Yellowstone** National Park

27. Capitol Reef, Canyonlands, Arches, Bryce Canyon, and Zion National Parks can all be found in which state?

A: **Utah**

28. Just south of King's Canyon National Park, what park in California is named for General Sherman and the other giant trees growing there?

A: **Sequoia** National Park

29. What park in Kentucky contains, and is named for, the longest cave system in the world?

A: **Mammoth Cave** National Park

Units of Length

30. Which Greek letter is used in the standard abbreviation for the micron?

A: **mu**

31. How many inches are in one hand?

A: **4** inches

32. If a ship is travelling at one knot, it covers one of what unit of distance in an hour?

A: **nautical mile** (reject: mile)

33. Rounded to the nearest trillion, how many kilometres are in one light-year?

A: **9** trillion

Set of 3: Avant-Garde Art

34. What type of object, signed "R. Mutt", does Marcel Duchamp's *Fountain* entirely consist of?

A: **urinal** (reject: toilet)

35. What length of time titles a piece in which no instruments play anything by John Cage?

A: **4'33"** (accept: **4 Minutes** and **33 Seconds**)

36. Umberto Boccioni's ["baw-CHO-neeZ"] sculpture *Unique Forms of Continuity in Space* is emblematic of what avant-garde movement, which emphasized concepts like dynamism, speed, and technology?

A: **futurism**

Set of 4: The Maritime World

37. What maritime industry was central to the economies of New Bedford and Nantucket, which Japan engages in in defiance of the IWC?

A: **whaling** (accept: **whale hunting**, **whale fishing**) (reject: hunting, fishing)

38. What book, whose protagonist is a fisherman named Santiago, was written by Ernest Hemingway?

A: *The **Old Man and the Sea***

39. What occupation is shared by the main characters of the show *Our Flag Means Death*?

A: **pirates**

40. What type of vessel uses direct contact or tow lines to manoeuvre other boats in delicate circumstances?

A: **tugboats**

Double Jumps

41. What organization got its nickname, "The Few", from a speech given on August 20, 1940 by Winston Churchill?

A: **Royal Air Force** (accept: **RAF, British Air Force**) (prompt on: air force)

42. What were the RAF's two main fighters during the Battle of Britain?

A: Supermarine **Spitfire** AND Hawker **Hurricane**

43. Who described meeting "a traveller from an antique land" in his poem *Ozymandias*?

A: Percy Bysshe **Shelley**

44. Inspired by a trilogy by Aeschylus ["ESS-kuh-luss"], what lyrical drama by Shelley focuses on the torment and eventual release of the title mythological figure?

A: **Prometheus Unbound**

6-Part Blitz

45. What do the H and G stand for in the television channel HGTV?

A: **Home** AND **Garden**

46. In computer science, what "M"-word refers to storing the result of a function call so that the same function is not called multiple times with the same inputs?

A: **memoization** (accept word forms) (reject: memorization)

47. What nightmarish creature, conceived as a cross between a human, a dragon, and an octopus, features prominently in the stories of H. P. Lovecraft?

A: **Cthulhu** ["kuh-THOO-loo"]

48. What most recent period of the Cenozoic era do we currently live in?

A: **Quaternary** period

49. *Skins* and *Bad Vibes Forever* were albums released posthumously after the shooting of what pioneer of emo rap?

A: **XXXTentacion** (accept: Jahseh **Onfroy**)

50. Archaeological study of which continent includes concepts like the "Hopewell Tradition" and the "Woodland Period"?

A: **North America**

THIRD QUARTER

Splits: African Cities & Aquatic Sports

African Cities

51. What capital of Gauteng is the largest city in South Africa?

A: **Johannesburg** (prompt on: Joburg)

52. Kano, Port Harcourt, and Lagos are all cities in what most populous African country?

A: **Nigeria**

53. Salisbury is the former name of what city, the capital of Zimbabwe?

A: **Harare**

54. What two African capital cities have names with identical meanings, one in English and the other in French?

A: **Freetown** AND **Libreville**

Aquatic Sports

55. What sport features the oldest still-running international competition in world history, known as the America's Cup?

A: **sailing** (accept: **yachting**, **match racing**) (prompt on: boating, boat racing)

56. What team sport sees prominent use of the eggbeater kick, especially by goalies?

A: **water polo** (reject partial answers)

57. The IDBF, whose headquarters are in Hong Kong, is the governing body for what sport?

A: **dragon boat** racing (accept: **dragon boating**)

58. What term refers to curling all of one's toes over the edge of the board in surfing?

A: **hanging ten**

Set of 3: Noses

59. What structure separates the two nostrils of a human nose?

A: nasal **septum**

60. Major Kovalyov is missing his nose in *The Nose*, a short story by what Russian author?

A: Nikolai **Gogol**

61. Carlo Collodi created what fictional character whose nose grows every time he lies?

A: **Pinocchio**

Jailbreak

62. What alliterative term refers to the maximum population of a given species that can be sustained in an environment?

A: **carrying capacity**

63. What Minecraft YouTuber had a widely-publicized face reveal in October of 2022?

A: **Dream** (accept: **DreamWasTaken, Clay**)

64. What composer was inspired by the *Kalevala* for many of his works and composed the tone poem *Finlandia*?

A: Jean **Sibelius**

65. Household wall sockets in Canada provide how much voltage?

A: **120** volts AC

66. Orzo, ziti, and penne are types of what food product?

A: **pasta** (accept: **noodles, pasta shapes**)

67. With seven appearances, what actor has portrayed James Bond in the most films, including *The Spy Who Loved Me* and *Moonraker*?

A: Roger **Moore**

68. What country is home to Hublot, Patek Philippe, and Omega, among many other luxury watchmakers?

A: **Switzerland**

69. What is the most common papal name in history?

A: **John**

70. What term refers to converting an object of one data type into another data type in programming?

A: type **casting**

71. Queen Elizabeth II passed away in what Scottish castle?

A: **Balmoral** Castle

72. Detailing the author's life from age 3 to 17, what 1969 work was the first autobiography published by Maya Angelou?

A: ***I Know Why the Caged Bird Sings***

73. What can be bought using one wool, one ore, and one grain in *Settlers of Catan*?

A: **development card** (prompt on: **card**)

74. Kings of the Wangchuk dynasty ruled what country, nicknamed the Land of the Thunder Dragon?

A: **Bhutan**

75. Who depicted three women posing in front of *Washington Crossing the Delaware* in his *Daughters of Revolution*?

A: Grant **Wood**

FOURTH QUARTER

Jackpot

76.

Part 1: What word titles a 2015 film in which aliens abduct 50 humans and force them to play a game in which they secretly vote to execute one person every two minutes?

Part 2: In a 2017 film titled for this word, a customer support agent played by Emma Watson attempts to expose the shady dealings of the titular social media company.

Part 3: In a reality show titled for this word, contestants are eliminated via “blockings” determined by “influencers.”

Part 4: This word titles a Netflix reality show where players create either “authentic” or “catfish” social media profiles to try to become the most popular player in the title social media group.

A: the **circle**

Streak

80. Name up to all of the first six books of the New Testament.

A: Book of/Gospel of/Gospel according to **Matthew**
Book of/Gospel of/Gospel according to **Mark**
Book of/Gospel of/Gospel according to **Luke**
Book of/Gospel of/Gospel according to **John**
Acts of the Apostles (accept: Book of **Acts**)
Epistle/Letter of Paul to the **Romans**

Set of 4: Hippies

83. In what year did the Summer of Love take place, two years before the Woodstock festival?

A: **1967**

84. What alliterative name is given to the flared pants associated with hippie fashion?

A: **bell bottoms**

85. The Beatles song "Lucy in the Sky with Diamonds" is often believed to allude to what hallucinogenic drug popular in the 1960s and 70s?

A: **LSD** (accept: **acid**)

86. What rhyming slogan originated during anti-Vietnam War protests, and in its literal incarnation involved confronting riot police with daffodils and roses?

A: **flower power**

14-Part Blitz

87. A surface that allows light to pass through but clouds images is described by what word?

A: **translucent**

88. What is the latest model of PlayStation?

A: PlayStation **5** (accept: PS**5**)

89. What is the name of Joy's all-powerful alter ego in *Everything Everywhere All At Once*?

A: **Jobu Tupaki** (accept either underlined part)

90. What literary concept proposes that works should be read without considering the creator's intentions, and instead by drawing one's own insight and meanings from the story?

A: the **death of the author**

91. What kind of discontinuity generally occurs when the numerator and denominator of a rational function have a common factor?

A: **hole** (accept: **removable** discontinuity)

92. A white cross and four white snakes on a blue background describes the civil ensign of what French overseas collectivity?

A: **Martinique**

93. Per person, per category, per institution, the CDIC insures Canadians' deposits of up to how many dollars?

A: **\$100,000**

94. The tawny frogmouth is a nocturnal type of what animal?

A: **bird**

95. What type of oven was created by Norman Shapiro while working for Kenner, and is currently made by Hasbro?

A: **Easy-Bake** Oven

96. What country duo is known for the song "Tequila" and for collaborating with Justin Bieber on "10,000 Hours"?

A: **Dan and Shay**

97. What form of counted-thread embroidery is made using "X"-shaped stitches, often with the help of an embroidery hoop?

A: **cross-stitch**ing (reject partial answers)

98. 26% of the population of what Canadian community are of Icelandic ancestry, the most of any city outside of Iceland?

A: **Gimli**

99. Cherry, pistachio, and either chocolate or vanilla are the three flavours of what kind of gelato?

A: **spumone** (accept: **spumoni**)

100. *Animal Liberation* and "Famine, Affluence and Morality" are works by what utilitarian Australian philosopher?

A: Peter **Singer**