



2023-24 Post-Secondary Qualifier (T3) – Pack 11

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PACK 11

5-Part Blitz

1. What four-letter English noun can be translated into Greek in six ways, including “xenia”, “agape” [“ah-GAH-pay”], and “philia”?
A: **love**
2. Set midway through the second age, what Amazon TV series features Benjamin Clark as Gil-Galad and Morfydd Clark as Galadriel?
A: *The Lord of the Rings: The **Rings of Power***
3. Most Baroque dance suites ended with what kind of lively piece in compound metre?
A: **gigue** [“zheeg”]
4. What neighbourhood in New York City is named for its relative position to Houston [“HOW-ston”] Street and is known for its abundance of art galleries?
A: **SoHo**
5. What fictional character appears in memes running away from a biplane as well as saying that something grinds his gears?
A: **Peter Griffin** (accept either bolded part)

Double Jump

6. Bacterial plasmids are made up of what molecule that is composed of units of adenine, guanine, thymine, and cytosine and forms the genetic material of an organism?
A: **DNA** (accept: **deoxyribonucleic acid**)
7. A condensation reaction between the hydroxy group and phosphate group of two adjacent riboses forms what kind of bond, which makes up the backbone of DNA?
A: **phosphodiester** bond/linkage

Double Jump

8. Sandra Newman's 2023 novel "Julia" retells what book from the perspective of its female protagonist, who has an affair with Winston and rebels with him against the Party?
A: ***Nineteen Eighty-Four***
9. Julia is an unwilling member of what organization opposed to sexual pleasure?
A: **Junior Anti-Sex League** (prompt on: JASL, Anti-Sex League)

Set of 4: Eponymous Items

10. Particularly popular in Canada where it was invented, what kind of screw has a square-shaped socket?
A: **Robertson** screw
11. What is the name for pieces of glass that are made by rapidly solidifying molten glass in water?
A: **Prince Rupert's Drops**
12. Named after a band leader, what brass instrument is similar to a tuba but was designed to be easier to play standing upright?
A: **sousaphone**

13. Named for a French acrobat, what skin-tight article of clothing is often worn by gymnasts, wrestlers, and other athletes?
A: **leotard**

Jackpot

14. Part 1: Because of a new strict rule, who was disqualified from an event in Daegu in 2011 where he had been considered the favourite?
15. Part 2: This man was robbed of his triple-triple after his teammate Nesta Carter was caught doping.
16. Part 3: This man broke records previously held by Michael Johnson and Asafa Powell. He won events with teammates like Michael Frater and Yohan Blake.
17. Part 4: This man holds the all-time records in the 100- and 200-metre sprints.
A: Usain **Bolt**

Set of 3

18. The novels *The Third Policeman* and *Normal People* were written by authors from what country?
A: **Ireland**
19. The 1995 Nobel Prize in Literature was awarded to what Irish poet known for his collection *Death of a Naturalist*?
A: Seamus **Heaney**
20. William Drennan's 1795 poem "When Erin First Rose" is considered the source of what colourful sobriquet for Ireland?
A: The **Emerald Isle**

5-Part Blitz

21. What phrase do Sunni Muslims say after speaking the name of a prophet?
A: **peace be upon him** (accept: **alayhi as-salam**)
22. At what kind of event were Jacob Runyan and Chase Cominsky caught cheating with the help of lead weights, as captured in a viral 2022 video?
A: **fishing** event/contest/tournament/competition
23. What magister militum served as guardian of the underage emperor Honorius, but was executed shortly before Alaric's sack of Rome in 410 AD?
A: **Stilicho**
24. In what co-op video game franchise does each player control a chef in a kitchen, who must help rapidly complete tasks to prepare a set of ordered meals before time runs out?
A: **Overcooked**
25. Possible while passing from water to air but not air to water, in what phenomenon are light waves unable to refract while passing between two media, and instead bounce back into the original medium?
A: **total internal reflection** (accept: **TIR**, prompt on: **reflection**)

END OF FIRST QUARTER

SECOND QUARTER

Splits: Classic Advertisements & The Sun

Classic Advertisements

26. What fictitious creature was depicted in a Canadian public service announcement to encourage children to think critically about media?
A: North American **House Hippo**
27. What restaurant chain attacked its competitors with advertisements in which an elderly woman is presented with a large bun and small burger patty and asks "where's the beef"?
A: **Wendy's**
28. What company created the slogan "a diamond is forever", and currently controls the majority of the diamond market?
A: **DeBeers**
29. What brand of beer was promoted in commercials by "the most interesting man in the world"?
A: **Dos Equis**

The Sun

30. What region of the Hertzsprung-Russell Diagram does the Sun inhabit?
A: **main sequence**
31. The Sun's red giant phase is expected to end in what kind of event, in which the triple alpha process will create a massive amount of carbon in a matter of minutes?
A: **helium flash**
32. To the nearest minute, how long does it take the Sun's light to reach Earth?
A: **8** minutes
33. The solar wind can no longer push back against the interstellar medium at what boundary, the outer limit of the heliosphere, where interstellar space begins?
A: **heliopause**

Double Jump

34. Who wrote about a woman who slams the door after walking out on her husband Torvald, named Nora Helmer, in his play *A Doll's House*?
A: Henrik **Ibsen**
35. In what Ibsen play does Pastor Manders forget to blow out a candle, which results in Helen Alving's orphanage burning down?
A: **Ghosts**

Double Jump

36. In 2018, Canada's Liberal government implemented what kind of policy, setting a \$20 per tonne price that will rise to \$170 per tonne by 2030?
A: **carbon tax** (accept: **carbon pricing, price on carbon**)
37. A carbon tax is what kind of tax, which taxes a negative externality in order to disincentivize it – in this case, carbon emissions?
A: **Pigouvian** tax

Set of 4: Planes

38. What French mathematician gives his name to a plane with coordinates defined by the X and Y axis?
A: Rene **Descartes**
39. The centre of the Cartesian plane, with coordinates zero zero, has what name?
A: **origin**
40. What model of Boeing aircraft was grounded in January 2024 after the plug door fell off of an Alaska Airlines plane?
A: Boeing **737 MAX 9** (prompt on partial answers)

41. What collectible card game is set on a multiverse of planes such as Innistrad, Dominaria, and Ravnica?
A: **Magic: the Gathering** (accept: **MtG**)

Set of 4: Classic Movies that Utterly Fail the Bechdel ["BECK-del"] Test

42. In what film are allegations of a patricide debated by a cast that includes Henry Fonda and no women?
A: **12 Angry Men**
43. What 1981 film, notably paid homage to in an episode of Community, consists almost entirely of two male actors portraying themselves having a conversation over supper?
A: **My Dinner With Andre**
44. What film, whose only female cast member voiced a chess computer, centres around an alien encounter in Antarctica?
A: **The Thing**
45. Aside from its numerous extras, what 1962 film did not feature any women in its nearly four-hour-long depiction of World War I in the Ottoman Empire?
A: **Lawrence of Arabia**

5-Part Blitz

46. In what 20th-century uprising did generals like Dedan Kimathi and Kubu Kubu lead the Kenya Land and Freedom Army against British Rule?
A: **Mau Mau** Uprising/Rebellion/Revolt
47. *Falling Up* and *Where the Sidewalk Ends* are poetry collections by what children's writer?
A: Shel **Silverstein**
48. According to Benjamin Netanyahu, the IDF is planning to attack what city in southern Gaza, which is overcrowded with refugees who have fled from the north?
A: **Rafah**
49. What animal did August Kekule ["kuh-KOO-lay"] dream of biting its tail before devising the chemical structure of benzene?
A: **snake** (accept: **serpent**)
50. By urban area population, what is the third-largest city in Portugal?
A: **Braga**

END OF FIRST HALF

THIRD QUARTER

Splits: The 27 Club & The Thirty Years' War

The 27 Club

51. What psychedelic rock guitarist gained acclaim with songs like "Purple Haze" and a cover of "All Along the Watchtower" before his death from an overdose at 27?
A: Jimi **Hendrix**
52. "I love you, I love you" ends the suicide note of what 27 club musician, who shot himself in his Seattle home in 1994?
A: Kurt **Cobain**
53. Before his death in 1988, what New York-based artist created influential pieces of graffiti, including an untitled painting of a skull that sold for 110.5 million dollars in 2017?
A: Jean-Michel **Basquiat**

54. Juice WRLD rapped "What's the 27 club? We ain't making it past 21" in his song "Legends", to honour what Floridian rapper who released "Look at Me!"?
A: **XXXTENTACION** (accept: Jahseh **Onfroy**)

The Thirty Years' War

55. What city saw the beginning of the Thirty Years' War after Catholic Bohemian officials were defenestrated there?
A: **Prague**
56. The anti-Habsburg alliance during the war was led by what French clergyman, who was also known as the "Red Eminence"?
A: Cardinal **Richelieu**
57. What king died at the Battle of Lützen while leading an army from his native Sweden?
A: **Gustavus Adolphus**
58. In what year did the battle of White Mountain put an end to the Bohemian Revolt?
A: **1620**

Set of 3: Signs

59. What word is spelled out by 50-foot tall white letters on Mount Lee in Griffith Park?
A: **Hollywood**
60. An upside-down red triangle makes up what road sign?
A: **yield** sign
61. Which Major League Baseball team was found to have illegally stolen signs en route to winning the 2017 World Series?
A: **Houston Astros** (accept either bolded part)

Jailbreak

62. What modern-day Middle Eastern capital formerly contained a House of Wisdom, one of the largest libraries during the Islamic Golden Age?
A: **Baghdad**
63. Who painted a man in the bottom left attempting to look up the skirt of the central woman in a pink dress in his Rococo masterpiece *The Swing*?
A: Jean-Honoré **Fragonard**
64. *Story of Seasons* is the rebranded name of what farming simulation series popular in the early 2000s and 2010s?
A: **Harvest Moon**
65. First introduced in *The Man in the Brown Suit*, what former leader of MI5 and good friend of Hercule Poirot stars in several Agatha Christie novels?
A: Colonel **Johnnie Race** (accept either bolded part)
66. What carbohydrate forms the hard exoskeleton found in insects?
A: **chitin**
67. The lyrics "I made it through the wilderness / Somehow I made it through" open what Madonna song?
A: **"Like a Virgin"**
68. What kind of natural feature did Heraclitus use to argue that all things are constantly changing over time?
A: **river**
69. Islands of what country lend their name to 2 of the 5 extant species of rhinoceros?
A: **Indonesia**
70. What Chinese dynasty was in power in the year 1000?
A: **Song** dynasty

71. What city is the setting of the Irene Sankoff and David Hein musical *Come from Away*?
A: **Gander**
72. What name is given to the curved tube used for breathing while swimming just below the surface of the water?
A: **snorkel**
73. What is the sum of all the single digit prime numbers?
A: **17**
74. What country is completely surrounded by South Africa?
A: **Lesotho**
75. Greek words meaning "sharp" and "dull" give us the name of what self-contradictory figure of speech?
A: **oxymoron**

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: What country is home to most of a region that is notably fertilized by dust from the faraway El Djouf and the Bodélé Depression?
77. Part 2: This is by far the most biodiverse country in the world, according to the Global Biodiversity Index. Two out of three species of electric eel are found mostly in this country.
78. Part 3: The only freshwater manatee species lives mostly in this country, as does the largest species of river dolphin. A forested region in this country is home to the largest number of uncontacted people in the world.
79. Part 4: This country contains most of the world's largest rainforest, around the world's largest river by discharge.
A: **Brazil**

Streak

80. Ignoring synthetic chemical elements, name up to all six known noble gases.
- A: **helium** (accept: **He**)
- A: **neon** (accept: **Ne**)
- A: **argon** (accept: **Ar**)
- A: **krypton** (accept: **Kr**)
- A: **xenon** (accept: **Xe**)
- A: **radon** (accept: **Rn**)

Set of 3

83. Brinjal and aubergine are alternate names for what vegetable?
A: **eggplant**
84. What layered Greek dish often contains ground meat, potatoes, and eggplant?
A: **moussaka**
85. Eggplant belongs to what family, along with tomatoes and potatoes?
A: **nightshade** family (accept: **Solanaceae**)

Set of 3: Migration in History

86. What modern geographical feature, named for a Russian explorer, did the first people to settle North America likely cross over?
A: **Bering Strait**
87. What year saw the largest mass migration in history, when 15 million people were displaced by the creation of Pakistan and India?
A: **1947**
88. Austronesians from Southeast Asia are believed to have been the first people to inhabit what large island, arriving before Bantu migrants crossed the Mozambique Channel?
A: **Madagascar**

12-Part Blitz

89. In hospital settings, what symbolic celebration is often done by patients when they complete cancer treatment?
A: **ringing a bell** (accept clear equivalents)
90. For n ranging from 1 to infinity, what is the value of the infinite series 1 over n squared?
A: **pi squared over 6** (accept: **pi squared divided by 6**)
91. What is the most commonly-rendered literal translation of the word tsunami?
A: **harbour wave**
92. The Umayyad invasion of Europe was halted by Charles Martel at what pivotal 732 battle?
A: Battle of **Tours** (accept: Battle of **Poitiers**)
93. A powerful "F, D-flat, C, B-flat" motif from the French horns, followed by a lyrical D-flat major theme and towering chords from the soloist, opens what composer's first piano concerto?
A: Pyotr Ilyich **Tchaikovsky**
94. Named for the colour of the silty rivers that flow into it, what sea lies between China and the Korean peninsula?
A: **Yellow** Sea
95. What bird is the symbol of the Aztec god Huitzilopochtli ["huit-zi-lo-POAHT-lee"]?
A: **hummingbird**
96. Name either of the two 2023 albums released by Ed Sheeran.
A: **Subtract** OR **Autumn Variations**
97. Sericulture is the production of what fabric?
A: **silk**
98. What is the largest city on the Strait of Georgia?
A: **Vancouver**
99. What word refers to ethical theories that judge actions based on whether they follow a set of moral principles, and not based on the consequences they are likely to lead to?
A: **deontology** (accept: **deontological**)
100. What animal disturbs the inhabitants of a small English village in a namesake 2019 puzzle stealth game?
A: **goose**

END OF GAME