



2024-25 High School Late Fall Tournament (T1) – Pack 2

Head Editor: *Zhongtian Wang*

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 2

5-Part Blitz

1. What color does bromothymol blue turn in acidic conditions?
A: **yellow**
2. Who hit the only walk-off grand slam in World Series history en route to being named MVP of the 2024 World Series?
A: Freddie **Freeman**
3. What is the name of the Kalahari Desert's only permanent river, whose large inland delta is found in northern Botswana?
A: **Okavango** River
4. What is the last line of Dylan Thomas's poem "Do not go gentle into that good night"?
A: **"Rage, rage, against the dying of the light"**
5. What animal does the Greek root "hippo-" refer to?
A: **horse**

Double Jump

6. What country was ruled by the Capetian ["cup-EESH-an"] dynasty until 1328, when Charles IV's death without an heir caused England to claim the throne, starting the Hundred Years' War?
A: **France**
7. The Capetians were succeeded by the House of Valois, which also ruled what powerful state to the east and northeast of France, under dukes such as Charles the Bold?
A: Duchy of **Burgundy**

Double Jump

8. What game is the focus of media such as *The Adventure Zone*, *Dimension 20*, and *Critical Role*?
A: **Dungeons & Dragons** 5th Edition/5e (accept: **D&D** 5th Edition/5e)
9. What surname is shared by the family members in the *Adventure Zone* podcast, three of whom also host *My Brother, My Brother, and Me*?
A: **McElroy**

Set of 4: Canadian Suburbs

10. What suburb is primarily located on Île Jésus, the second largest island in the Hochelaga archipelago?
A: **Laval**
11. What community lies on the east side of Halifax harbour, across from Halifax itself?
A: **Dartmouth**
12. What municipality is the most populous suburb of Vancouver?
A: **Surrey**
13. What suburb is at the northern terminus of the James N. Allan Skyway, which crosses Hamilton harbour?
A: **Burlington**

Jackpot

14. Part 1: What team traded away Elmore Smith, Brian Winters, Junior Bridgeman, and Dave Meyers to acquire one of their franchise stars?
15. Part 2: After a brief stint coaching for this team in 1994, one of its stars attempted a comeback by rejoining this team as a player in 1996.
16. Part 3: Throughout the 1980s under head coach Pat Riley and owner Jerry Buss, this team used fast breaks and a run-and-gun style in an era known as "Showtime".
17. Part 4: This NBA team was the only one that Magic Johnson and Kobe Bryant played for.
A: Los Angeles **Lakers** (accept: **LA Lakers**) (prompt on: Los Angeles, LA)

Set of 3: British Architecture

18. Following the Great Fire of London, what architect was tasked with the rebuilding of over 50 different churches and designed St. Paul's Cathedral?
A: Christopher **Wren**
19. What massive structure was built in Hyde Park for the Great Exhibition of 1851, and still gives its name to various places and institutions in London despite burning down in 1936?
A: the **Crystal Palace**
20. Also known for his design of the new Wembley stadium, what architect designed The Gherkin?
A: Norman **Foster**

5-Part Blitz

21. What country contains the Caprivi Strip and has its capital at Windhoek?
A: **Namibia**
22. What letter must be inserted into a word meaning partner to get a word meaning a dull, flat finish, contrasted with glossy?
A: **T** (mate -> matte)
23. What quantity can be calculated by multiplying voltage and current?
A: electrical **power**
24. Name any of the 2024 Atlantic hurricanes that reached at least Category 4 intensity.
A: **Beryl** OR **Kirk** OR **Helene** OR **Milton**
25. What is the ethnicity of Rita Ora, Bebe Rexha, Ava Max, and Dua Lipa?
A: **Albanian**

END OF FIRST QUARTER

SECOND QUARTER

Splits: Beatles Characters & Programming

Beatles Characters

26. The singer encounters what girl "filling in the ticket in her little white book" while working as a meter maid?
A: Lovely **Rita**
27. What titular Beatles character loses a shootout to Dan but is helped in his recovery by a Gideon Bible he finds?
A: **Rocky Raccoon** (prompt on: Rocky)

28. What titular Beatles character wears “the face that she keeps in a jar by the door” in a song whose chorus asks where “all the lonely people” come from?
A: **Eleanor Rigby** (accept either bolded part)
29. The music-hating Blue Meanies are the main antagonists of what 1968 animated film featuring The Beatles?
A: *The Beatles: **Yellow Submarine***

Programming

30. What punctuation mark is used to end lines in most programming languages?
A: **semicolon**
31. What file format stores pairs of keys and values in human-readable form and has a name referencing the programming language it was originally designed for?
A: **JSON** [“JAY-son”] (accept: **.json, JavaScript Object Notation**)
32. What term refers to the practice of writing multiple functions that share a name but each have their own function signature?
A: function/method **overloading** (accept word forms)
33. In most common programming languages, the first item in an array has what index?
A: **zeroth**

Double Jump

34. Rome was founded on the eastern bank of what river?
A: **Tiber** River
35. What central Italian river flows through Florence and Pisa before emptying into the Ligurian Sea?
A: **Arno** River

Double Jump

36. How many electors form the United States electoral college?
A: **538**
37. Name both states in which the electoral college votes are not “winner takes all”.
A: **Maine** AND **Nebraska**

Set of 4: Cancer

38. What animals are in danger of extinction due to the spread of a transmissible cancer known as their namesake “facial tumour disease”?
A: **Tasmanian devils**
39. The aggressive lung cancer mesothelioma is usually caused by exposure to what mineral?
A: **asbestos**
40. EVX-01 and BTN116 are currently-under-development cancer treatments of what kind?
A: **vaccines** (accept: **immunizations**) (accept word forms)
41. What noun refers to the spread of cancer around the body?
A: **metastasis**

Set of 4: Sikhism

42. One of the five Ks, what is the name of the ceremonial dagger carried by Sikhs?
A: **kirpan**

43. Roughly translating as “teacher”, what Sanskrit title was used by the 11 spiritual leaders of Sikhism?
A: **guru**
44. What is the main scriptural text of Sikhism, considered to be the 11th and final guru?
A: **Guru Granth Sahib** (accept: **Adi Granth**)
45. The militarization of Sikh communities originally arose in opposition to what empire, which executed the fifth and ninth gurus of Sikhism?
A: **Mughal** Empire

5-Part Blitz

46. What colloquial term is used for the decompression sickness sometimes experienced by scuba divers as they resurface?
A: the **bends** (reject singular form)
47. What is the source of the silica particles inhaled by sufferers of P45, a supposed disease whose name is one of the longest words in the English language?
A: **volcano** (accept: **volcanic eruptions**, **volcanic ash**, clear equivalents) (prompt on: **eruptions**, **ash**)
48. Expressed as a fraction, what is the probability that three out of three flips of a fair coin result in heads?
A: **1/8**
49. What musician's show in Vienna was the target of a foiled August 2024 terrorist plot?
A: Taylor **Swift**
50. How many total candles can be held in a Hanukkah menorah?
A: **9** candles

END OF FIRST HALF

THIRD QUARTER

Splits: Music Theory & Subway Systems

Music Theory

51. The circle of fifths features how many distinct pitches?
A: **12**
52. Acciaccaturas [“a-CHOCK-a-ture-ahs”] and appoggiaturas are commonly known by what two-word term?
A: **grace note**
53. An eighth note is known by what term in Britain?
A: **quaver**
54. What scale degree is sharpened in the harmonic minor scale?
A: **7th** (accept: **subtonic**, **leading note**, **leading tone**)

Subway Systems

55. What city is home to the world’s oldest subway system, known as “the Underground” or “the Tube”?
A: **London**
56. Moscow’s brown line and Tokyo’s Yamanote Line are examples of what kind of line, often used in downtowns to connect various radial lines to each other?
A: **circle/circular/loop/ring** lines/routes

57. What city uses a hub-and-spoke system that converges downtown in “the Loop” and is known as “the L” because its trains are mostly elevated?
A: **Chicago**
58. At busy times, Tokyo and several large Chinese cities employ people to do what to passengers when trains arrive?
A: **push/shove** them onto the train (accept clear equivalents)

Set of 3: Colourful Films

59. Blitz Bazawule and Steven Spielberg have both directed adaptations of what novel by Alice Walker?
A: *The **Color Purple***
60. What film was based on the true story of an American helicopter that was shot during the Battle of Mogadishu and the subsequent rescue attempt?
A: **Black Hawk Down**
61. In addition to his role as Deadpool, Ryan Reynolds also portrayed what other comic book superhero in a 2011 film?
A: **Green Lantern**

Jailbreak

62. A Chinese phrase meaning “knock head” gave rise to what English word meaning to show deference?
A: **kowtow** (accept word forms)
63. On what continent did cultures such as the Dorset, Thule, and Beothuk live?
A: **North America**
64. What item explodes instead of fulfilling its normal purpose if the player tries to use it in the Nether or the End?
A: **bed**
65. What scientist names an orbital radius equal to about 5.3 times 10 to the minus 11 metres, the radius of an electron’s orbit in a hydrogen atom?
A: Niels **Bohr**
66. What country’s archipelagos include Franz Josef Land, Novaya Zemlya, and the New Siberian Islands?
A: **Russia**
67. Dr. Juvenal Urbino is focused on eradicating the titular disease in what novel by Gabriel Garcia Marquez?
A: **Love in the Time of Cholera**
68. What paper towel brand calls itself “the quicker picker-upper”?
A: **Bounty**
69. Founded pseudonymously by Pauline Phillips in 1956, what advice column is answered by Abigail van Buren?
A: **Dear Abby**
70. What word refers to the non-hypotenuse sides of a right triangle?
A: **legs**
71. What circuit component is represented by a zigzag line?
A: **resistor**
72. In which modern-day American state was the USS *Arizona* sunk on December 7th, 1941?
A: **Hawaii**
73. At Indian weddings, what colour is traditionally worn by the bride?
A: **red**
74. Often depicted with a barrel of brandy around its neck, what dog breed was originally bred to perform rescues in the Alps?
A: **St. Bernard**

75. Who changes his ways and anonymously sends a turkey to the Cratchit family after being visited by three ghosts in Charles Dickens's *A Christmas Carol*?
A: **Ebenezer Scrooge** (accept either bolded part)

END OF THIRD QUARTER

FOURTH QUARTER

Jackpot

76. Part 1: In what country did the Committee of Union and Progress take power in an "election of clubs", before being overthrown soon after in a coup by the Saviour Officers?
77. Part 2: A military unit from this country led the slaughter of the Knezes ["kuh-NEZ-eez"] and was later dissolved in the "Auspicious Incident", to be replaced by a more modern military force.
78. Part 3: The Treaty of Sèvres, the Sykes-Picot Agreement, and the Balfour Declaration all focused on partitioning this empire.
79. Part 4: This empire carried out the Armenian genocide and was nicknamed "the sick man of Europe".
A: **Ottoman** Empire (accept: **Ottomans**, **Ottoman Turkey**) (prompt on: Turkey)

Set of 4: Bears in Fiction

80. Who voiced a fictional teddy bear in a 2012 movie and its 2015 sequel?
A: Seth **MacFarlane**
81. Brother Bear, Sister Bear, Mama Bear, and Papa Bear make up what central family of a titular children's series?
A: **Berenstain Bears** family (reject: ["beren-STEEN"])
82. Where in South America is Paddington Bear said to come from?
A: darkest **Peru**
83. Who gets stuck in the entrance to his friend Rabbit's house after eating too much honey?
A: Winnie the **Pooh** (accept: **Pooh** Bear) (prompt on: Winnie)

Set of 5: Philosophers

84. What English friar developed the law of parsimony, stating that entities must not be multiplied beyond necessity, often known as his namesake "razor"?
A: William of **Occam** (prompt on: William)
85. Using the pseudonym "Johannes de silentio", who developed the concept of the Knight of Faith in his work *Fear and Trembling*?
A: Soren **Kierkegaard**
86. The quotation "man is by nature a political animal" is attributed to what student of Plato and teacher of Alexander the Great?
A: **Aristotle**
87. What mentor of Mencius had his sayings collected in the *Analects*?
A: **Confucius**
88. What philosopher defined beauty as "pleasure objectified" and declared that "those who cannot remember the past are condemned to repeat it"?
A: George **Santayana**

12-Part Blitz

89. The Joad family is central to what Depression-era novel by John Steinbeck?
A: *The **Grapes of Wrath***
90. What neuroscientist portrayed by Mayim Bialik is Sheldon's love interest in *The Big Bang Theory*?
A: Dr. **Amy** Farrah **Fowler** (accept either bolded part)
91. Who often gets asked to "pull that up" in his role as producer of *The Joe Rogan Experience*?
A: "Young **Jamie V**" (accept: Jamie **Vernon**)
92. What symbol is found inside a red diamond in the WHMIS ["WIM-iss"] pictogram for skin irritation, eye irritation, and/or skin sensitization?
A: **exclamation point** (accept: **exclamation mark**)
93. What system was dismantled in 1994 through the efforts of the ANC and Nelson Mandela?
A: **apartheid**
94. Edward White, Roger Chaffee, and Gus Grissom died in a fire while preparing for what mission?
A: **Apollo 1** (reject partial answers)
95. What is a flock of geese called when they are on the ground?
A: a **gaggle** of geese
96. The 2024 memoir *Knife* recounts the attempted murder two years earlier of what author, who has been targeted for his writing of *The Satanic Verses*?
A: Salman **Rushdie**
97. What name is given to ground stibnite that is used cosmetically, often as eyeliner, and is common in West Africa and South Asia?
A: **kohl**
98. What US national park, the largest east of the Mississippi, protects an important tropical wetland in Florida?
A: **Everglades** National Park
99. What early kind of photography is named for a 19th-century French artist?
A: **daguerreotype** (accept: **daguerreotypy**)
100. What word is used in stage directions to indicate that several or all actors should leave the stage?
A: **exeunt**

END OF GAME