THE LONG ISLAND QUIZ BOWL ALLIANCE

Pennsylvania Sample

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First Half

1. This scientist served as Warden of the Royal Mint from 1699 to 1727. This scientist studied dispersion in his treatise *Opticks*. In this scientist's work *Principia*, he laid out the law of universal gravitation. What English physicist described his three namesake laws of motion?
ANSWER: Isaac **Newton** <Science>

2. This ruler's intimate companion, Robert Devereux, 2nd Earl of Essex, was arrested after the Nine Years War. At Tilbury, this monarch proclaimed that she had the "heart and stomach" of a king. Philip II ("the second") invaded this ruler's nation with the Spanish Armada. Name this daughter of Henry VIII ("the eighth") who was known as the "virgin queen" of England.
ANSWER: Queen **Elizabeth I** [or **Good Queen Bess**; prompt on Elizabeth] <History>

3. An aria in this opera was written to highlight its composer's sister-in-law, Josepha Hofer. This opera's librettist Emanuel Schikaneder ("shih-KAH-neh-dare") premiered the role of a character whose mouth is padlocked shut, Papageno. The Queen of the Night sings multiple high Fs in what Mozart opera titled for a woodwind instrument?
ANSWER: *The* ***Magic Flute*** [or *Die* ***Zauberflöte***] <Fine Arts>

4. This poem's title figure is equated with a symbol "so black no sky could squeak through." The fairy tale-like line "You do not do, you do not do" that starts this poem devolves into the declaration "Every woman adores a Fascist." A man with a "Meinkampf look" is the subject of what Sylvia Plath poem inspired by her father's cruelty?
ANSWER: "**Daddy**" <Literature>

5. The geographic range of these things will likely increase due to warming of the Hadley circulation. These things are classified on the Saffir-Simpson scale based on the intensity of their winds. What large rotating storms are called typhoons and tropical cyclones in other parts of the world?
ANSWER: **hurricane**s [accept **tropical storm**s or **tropical depression**s; accept **typhoon**s before mentioned; accept tropical **cyclone**s before mentioned; prompt on partial answers] <Science>

6. This figure is in "the house of the rising sun" in a chorus that begins "fire on the mountain." This figure claims to be "a man of wealth and taste" in the Rolling Stones song "Sympathy for [this figure]." The Charlie Daniels Band depicted what figure losing a fiddle-playing contest when he "went down to Georgia"?
ANSWER: the **Devil** [or **Satan** or **Lucifer** or The **Evil One** or **Iblis**; prompt on The Accuser] <Potpourri>

7. In humans, mature osteoclasts have up to one hundred of these organelles that are completely absent from mature red blood cells. These organelle's "pore complexes" are used to transport molecules such as mRNA into and out of them. What membrane-bound organelle contains chromosomes?
ANSWER: cell **nucleus** [or **nuclei**] <Science>

8. Upon returning to her childhood town, one of this author's characters is disappointed when her father introduces a man who makes a racist speech. In a novel by this author, Jean Louise returns to her hometown of Maycomb, Alabama. Name this author whose book *Go Set a Watchman* is an early draft of her novel *To Kill a Mockingbird*.
ANSWER: Harper **Lee** [or Nelle Harper **Lee**] <Literature>

9. This president signed legislation that posthumously restored the citizenship of Jefferson Davis. A boycott of the Olympics was organized by this president, who also organized the ceding of the Panama Canal with Omar Torrijos ("tor-REE-hoes"). What Democrat lost the 1980 presidential election to Ronald Reagan and lived to one hundred years old?
ANSWER: Jimmy **Carter** [or James Earl **Carter** Jr.] <History>

10. The Taylor series of this function of one plus x is an alternating sum called the Mercator series. The derivative of this function is one over x. A ratio of two instances of this function appears in the change-of-base rule. The "natural" form of this function has base e. Name this function that is the inverse of exponentiation.
ANSWER: **log**arithm [or natural **log**arithm or common **log**arithm] <Science>

Fanfare Questions

1. Ron DeSantis appointed Ashley Moody to replace this man in the U.S. Senate. What Cuban American is the current Secretary of State?
ANSWER: Marco **Rubio** [or Marco Antonio **Rubio**] <Contemporary Events>

2. What Asian country, the site of numerous "killing fields," is where Pol Pot led the Khmer Rouge?
ANSWER: **Cambodia** [or Kingdom of **Cambodia**; accept **Kampuchea**] <History>

3. What character spends ten years returning to Ithaca after the Trojan War in an epic by Homer?
ANSWER: **Odysseus** [prompt on Outis; prompt on *The Odyssey*] <Literature>

4. This man's boat named *Liberty* was confiscated before the Boston Massacre. What man's signature is the largest on the Declaration of Independence?
ANSWER: John **Hancock** <History>

5. A white ibis native to this country is called a "bin chicken." A transmissible facial tumor disease has devastated a native species from what country called the Tasmanian devil?
ANSWER: **Australia** [or Commonwealth of **Australia**] <Science>

6. In this movie, one character sings "Heels, nails, blade, mascara / Fit check for my napalm era." What movie follows Mira, Zoey, and Rumi's conflict with the Saja Boys?
ANSWER: ***KPop Demon Hunters*** <Potpourri>

Second Half

1. To stop a plague, this character seeks a shepherd who saw an accident at a crossroads. This character is "at Colonus" in the title of a Sophocles ("SAH-fuh-kleez") play. What character, who marries his mother Jocasta and kills his father Laius, names a complex by Sigmund Freud ("FROYD")?
ANSWER: **Oedipus** [accept ***Oedipus*** *Rex* or ***Oedipus*** *at Colonus*; prompt on Oedipal Complex] <Literature>

2. Following the death of this businessman, lawsuits centered on his use of spiritualists and his son Billy receiving 95 percent of his wealth. This man, who built Grand Central Depot after acquiring the New York Central Railroad, began his career as a steamboat owner. What man nicknamed the "Commodore" names a private university in Tennessee?
ANSWER: Cornelius **Vanderbilt** <History>

3. In a 2025 game against Lazio, this club's manager Igor Tudor substituted on Vasilije ("vah-SEE-lee-yeh") Adzic and then subbed him off ten minutes later. This club recently loaned in PSG's Randal Kolo Muani due to Dušan Vlahović's poor form. What "Old Lady of Turin" won the Italian soccer league nine times in a row in the 2010s?
ANSWER: **Juventus** ("yoo-VEN-tuhs") FC [accept **Juve**] <Potpourri>

4. This law, which assumes a compressibility factor of one, contains a constant that equals Boltzmann's constant times Avogadro's number. This law applies when there are no intermolecular forces and when particle size is negligible. What law extended by the van der Waals equation is usually written as PV equals nRT?
ANSWER: **ideal gas** law <Science>

5. This national park's Tower Fall is formed by its namesake river. It's not in Arizona, but this national park has a 24-mile-long Grand Canyon. A caldera mostly within this national park is North America's largest supervolcano. What first U.S. national park contains the geyser Old Faithful and is located mostly in Wyoming?
ANSWER: **Yellowstone** National Park <Geography>

6. The opening stage directions of this play describe a "dim white building" invested with "lyricism" and "decay." In this play, music from the "Blue Piano" is cut off by the line "Hey, there! Stella, Baby!" A street called Elysian Fields is the setting of what Tennessee Williams play about a visitor to New Orleans, Blanche DuBois ("doo-BWAH")?
ANSWER: *A* ***Streetcar Named Desire*** <Literature>

7. Twenty-eight proofs of a statement named for this property were analyzed by Georg Simon Klügel. Playfair's axiom replaces a postulate named for this property, which is Euclid's fifth. A transversal intersects two lines with this property, which have equal slope. Name this word used to describe lines that don't intersect.
ANSWER: **parallel** [accept **parallel** postulate] <Science>

8. In the lead-up to this event, the magazine *Kangura* published a racist "Ten Commandments." The UNAMIR mission led by Romeo Dallaire failed to stop this event. The Interahamwe ("in-ter-ah-HAHM-way") perpetrated this event, which was ended by the RPF under Paul Kagame ("kah-GAH-may"). Name this 1994 atrocity in Africa in which Hutus massacred Tutsis.
ANSWER: **Rwandan genocide** <History>

9. A “brief epic” sequel to this poem inspired by Thomas Ellwood is titled for a concept “Regained.” A. E. Housman referenced this poem by claiming “Malt does more than [its author] can / To justify God’s ways to man.” The ruler of Pandemonium states that it is “better to reign in Hell” in what epic about the expulsion from Eden by John Milton?
ANSWER: ***Paradise Lost*** [prompt on *Paradise Regained* with “that is the sequel to what other poem?”] <Literature>

10. Entry into this process is controlled by MPF, a cyclin-CDK complex. This process ends with the formation of a cell plate in plants and cytokinesis in animals. Name this process divided into prophase, metaphase, anaphase, and telophase, a form of cell division that creates two identical daughter cells.
ANSWER: **mitosis** [prompt on prophase or metaphase or anaphase or telophase or cytokinesis before mentioned; prompt on cell division; reject “meiosis”] <Science>

Fanfare Questions

1. In this country, Sushila Karki was elected PM after a poll on Discord. What country has recently featured many Gen Z protests in Kathmandu?
ANSWER: **Nepal** <Contemporary Events>

2. What king and successor to Mary, Queen of Scots united the thrones of Scotland and England and commissioned a namesake version of the Bible?
ANSWER: **James I** of England [or **James VI of Scotland**; prompt on James or King James Bible] <History>

3. This artist yelled “speak!” at his sculpture of Habakkuk (“HA-bah-kuhk”) titled *La Zuccone* (“zoo-KOH-nay”). What Italian created a nude bronze sculpture of David?
ANSWER: **Donatello** [or **Donato** Bardi or Donato di Niccolò di Betto **Bardi**] <Fine Arts>

4. In this city, Booker T. Washington declared "Cast down your bucket where you are" in a namesake "Compromise." MLK was a leader of what city’s Ebenezer Baptist Church?
ANSWER: **Atlanta** [accept **Atlanta** Compromise] <History>

5. The adjective “holandric” describes diseases linked to what sex chromosome that is only present in males?
ANSWER: **Y** chromosome [prompt on chromosome] <Science>

6. This character sues the Frying Dutchman for false advertising. What safety inspector at the Springfield Nuclear Power Plant is the father of Maggie, Lisa, and Bart?
ANSWER: **Homer** Simpson [prompt on Simpson] <Potpourri>