

Prison Bowl VII

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Round 07 – Tossups

1. Cheese is eaten on this holiday to commemorate the beheading of Holofernes, the leader of the Assyrians, by Judith. During this holiday, Al ha-Nissim are added to the hoda'ah section of the Amidah, and the last day of it is called Zot. Observers of this holiday sing songs like "M'Ymaleil?" ("me-uh-ma-layl") and "Ma'oz Tzur." The letters Shin, Nun, Gimel, and Hey are inscribed on a top used in a traditional game for this holiday. This holiday celebrates a successful revolt against Antiochus, as well as the miraculous burning of an oil lamp for eight days. For 10 points, name this Jewish holiday celebrated with a menorah.

ANSWER: Hanukkah [or Chanukah] <PS>

2. This quantity is increased by a factor of one plus the negative gain of the amplifier in the Miller effect. A type of component will have this form of reactance above its resonant frequency when displaying its "parasitic" type. Calculation of it for an arbitrary shape is accomplished by solving Laplace's equation with a constant potential along a conductor's surface. This quantity's inverse is elastance, and it is additive in series. For one type of device, it is inversely related to the distance between two plates, and in general, it equals charge over voltage. For 10 points, name this measure of the ability to store charge, measured in farads.

ANSWER: capacitance [prompt on C] <SH>

3. This writer praised a boy in a work that exclaims "begin to greet thy mother with a smile!". That work, nicknamed "Messianic", is part of an anthology of ten that contains a dialogue between Meliboeus and Tityrus. He isn't Homer, but this author imagined two gates that led from the underworld, with the hero traversing the ivory one. In that work by this author of the *Eclogues* and the *Georgics*, a hero weds Lavinia, having previously lost his wife Creusa in the ruins of Troy, and faces off against Turnus in his journey to found Rome. For 10 points, name this Roman epic poet of *The Aeneid* ("ah-NEE-id").

ANSWER: Publius Vergilius Maro <ZP>

4. A specially-designed organ was constructed in St. Burchardi Church to play a piece by this man not scheduled to finish until the year 2640. He used the *I Ching* text for many of his aleatoric works and pioneered a technique of placing objects such as screws and cutlery on a piano's strings to change the timbre ("TAM-ber"), called the prepared piano. This composer of *Number Pieces* scored a work in proportional notation using only vertical lines. That piece's three movements direct the audience towards surrounding ambient sound by instructing the performer to produce no sound. For 10 points, name this experimental American composer of 4'33" ("four minutes and thirty three seconds").

ANSWER: John Cage Jr. <BM/MZ>

5. It is not creating small businesses, but this topic is the goal of Goldman Sachs' 10,000 initiative and Camfed. Central Asia Institute advocates this topic, which is the focus of Greg Mortenson's *Three Cups of Tea* and Nicholas Kristof's *Half the Sky*. An activist for this topic in the Swat Valley was shot in 2012 by the Taliban, who oppose its implementation in Pakistan. United Nations' "I Am Malala" initiative for this was inspired by Malala Yousafzai. It can break the cycle of poverty by reducing family size and illiteracy among the following generation as well. For 10 points, name this empowerment of a certain gender by providing access to schools.

ANSWER: girls' education [or women's education; or female education; prompt on education; prompt on female empowerment] <MZ>

6. The first holder of this position negotiated the Treaty of Commerce and Navigation with Great Britain, establishing extraterritoriality. An Jung-Guen assassinated that man at the Harbin train station. Another person with this position passed the National Mobilization Law and oversaw the response to the Marco Polo Bridge Incident while a “robot” for the military. Another holder of this position was detained in Sugamo Prison after a failed suicide attempt, and was forced to resign after the Battle of Saipan. That man was Hideki Tojo. For 10 points, name this position, currently held by Shinzo Abe and codified in the Meiji Constitution, which serves as head of state of Japan.
ANSWER: Prime Minister of Japan [prompt on Prime Minister] <JL>

7. The protagonist of this novel dreams of giraffes after seeing a makeshift production of *Cinderella* performed by British soldiers. A recurring motif in this novel is a bird chirping “Poo-tee-weet?”. This novel includes Eliot Rosewater, who discusses a book about a money tree written by Kilgore Trout. Its protagonist is forced to mate with Montana Wildhack in a public zoo for aliens shaped like toilet plungers. Repeating “So it goes” after each death, this novel swings between the fire-bombed Dresden and the planet Tralfamadore. For 10 points, identify this novel about Billy Pilgrim, who becomes “unstuck in time”, written by Kurt Vonnegut.
ANSWER: Slaughterhouse-Five <KX>

8. Serum levels of this element are adjusted for binding to albumin in order to detect its surplus, which can result in a hypothermia-like Osborn wave and short QT interval. The Chvostek sign can detect tetany from low serum levels of this element, and parafollicular cell secretions lower the blood concentration of it stored in sarcoplasmic reticulum. When this element bonds to troponin C, present in actin-containing myofibrils, tropomyosin is allowed to move. Increased in the blood by parathyroid hormone, this element can help prevent osteoporosis. For 10 points, name this element whose phosphate is found in bone, an alkaline earth metal with atomic number 20 and symbol Ca.
ANSWER: calcium [accept Ca before mention] <AT>

9. During this worldwide conflict, Christopher Codrington led a failed English attempt to seize the island of Guadeloupe. A battle in this conflict saw Vauban dismissed in a failed siege of Turin. It was not World War I, but in this conflict, Allied forces captured Mons in the Battle of Malplaquet. At the Battle of Blenheim, Duke Marlborough and Prince Eugene of Savoy gained renown by saving Vienna from French capture. The American phase of this conflict was named after the ruling English monarch, Queen Anne. For 10 points, name this conflict ended by the Treaty of Utrecht fought over the ascension of Philip V to the throne of an Iberian country.
ANSWER: War of the Spanish Succession [do not accept “Queen Anne’s War”] <JL/RN>

10. This man adopted Hume’s experimental method to determine that “moral sense” was merely sympathy derived from mirroring the experience of others. He asserted that the Scots had an unhealthy constitution because they failed to eat potatoes. He famously argued that productivity could increase 240 times in a pin factory that engaged in specialization and division of labour. He argued that the economic endeavors of the baker, brewer, and butcher are motivated not by benevolence but by self-interest. For 10 points, name this Scottish economist who attacked mercantilism and proposed the concept of the invisible hand in his *Wealth of Nations*.
ANSWER: Adam Smith <JL>

11. This structure contains a semicircular work with two figures sitting alongside a plaque with the names of Azor and Sadoch. Another work housed in it features an ornately dressed man handing another man dressed in white a bowl of stones. That painting is located on the opposite wall of its *Trials of Moses*. Other works in it include one originally featuring nude figures, but undergarments were soon painted on. In another work in this structure, a snakelike figure curls around a tree while Adam and Eve are expelled from the Garden of Eden. For 10 points, name this building, the ceiling of which is a fresco painted by Michelangelo in which Adam and God reach out to each other.
ANSWER: Sistine Chapel [prompt on partial answer] <AT>

12. The Eastern branch of this tribe gained the Qualla Boundary in 1876 even though Chief Yonaguska could not buy land. Members of this tribe would sign the Treaty of New Echota which granted them \$5 million, although they would be murdered as part of blood law. A missionary living with this tribe appealed a ruling that this tribe’s territory could be considered sovereign in *Worcester v. Georgia*. The Indian Removal Act relocated them to Oklahoma under Winfield Scott, and Sequoyah created their written language. For 10 points, name this Southeastern Native American tribe that lives in the Appalachians and allied with the British in the Revolutionary War.
ANSWER: Cherokee <JL/RN>

13. This character is sheltered by Old Woman, who repeatedly reminds him that she has only one buttock. This character receives red sheep laden with money from the king of El Dorado, and breaks from an earlier philosophy to declare “we must cultivate our garden”. He is in love with his cousin Cunégonde, who survives rape and disembowelment at the hands of Bulgars. This character is mentored by the relentlessly optimistic Dr. Pangloss, a parody of Gottfried Leibniz, who insists that they live in the “best of all possible worlds”. For 10 points, name this title character of a French satire written by Voltaire.

ANSWER: **Candide** <AM>

14. This body of water contains the volcano Soufrière Hills, which underwent a series of eruptions beginning in 1995 and destroyed Plymouth, the capital of this body’s so-called “Emerald Isle.” That island is northwest of Guadeloupe in this body of water, and southeast of Philipsburg, the capital of Sint Maarten. It is fed by a brackish bay on its southern end called Lake Maracaibo, which empties near the islands of Curuçao (“CUR-uh-sow”) and Aruba, two of its Lesser Antilles. Containing the islands of Montserrat, Hispaniola, and Puerto Rico, for 10 points, name this large body of water north of Venezuela and Colombia.

ANSWER: **Caribbean** Sea <ZP>

15. Hljod (“HYOD”) brought one of these things to make Völsung’s conception possible. Gaia’s wedding gift for Zeus and Hera was an item that created these objects found on Avalon. Idunn, a goddess of these, was turned into a nut to be carried back to Asgard. Hippomenes won a footrace after Atalanta kept getting distracted by these items. Atlas retrieved these items from the Hesperides for Heracles. American folklore celebrates Johnny Chapman, who created orchards of their trees. Hera, Athena, and Aphrodite fought over one labelled “for the fairest”. For 10 points, name these fruits, one of which Eris threw to start the Trojan War.

ANSWER: **apples** [accept golden **apples**] <MZ>

16. A spectroscopic characterization of their products was formulated by Jorgensen and Wieghardt. A solution of chromium trioxide in sulfuric acid and acetone is used in one of these reactions, and another one produces quinones. Carboxylic acids or ketones are produced from alcohols in one of these reactions named for Jones. Including one named for Baeyer and Villiger. These reactions occur at the anode in electrochemical cells and are described by an increase in its namesake state. For 10 points, name these reactions in which a reactant loses an electron, often occurring with reduction.

ANSWER: **oxidation** reactions [do not accept “redox reactions”] <SH>

17. One ruler from this empire was captured and paraded in an iron cage. Its victories led to land redistribution to Sipahi and Timariot cavalry under the *Timar* system. An entrance to this empire’s government buildings was the Sublime Porte. Although it failed to capture Diu, this empire conquered Egypt with Admiral Piri Reis’ help. This empire’s victory at Mohacs under Suleiman the Great was offset by a defeat at Lepanto by the Holy League. It recruited young Christians to fight as Janissaries. For 10 points, name this empire which ended its European expansion after failed sieges of Vienna, founded by Osman I, that ruled the Mediterranean and became the nation of Turkey after WWI.

ANSWER: **Ottoman** Empire <RN>

18. In a montage in this film, a waltz theme grows more dissonant as a marriage deteriorates at a breakfast table. This film opens with a shot of a “No Trespassing” sign, and in a following sequence, a snow globe slips from a dying character’s fingers and smashes. This film utilized false ceilings for its abundant low-angle shots and its cinematography is characterized by Gregg Toland’s use of deep focus. Susan Alexander is forced into an operatic career by the title character of this film, who builds Xanadu and a newspaper empire. For 10 points, name this film about a reporter’s attempts to decipher the word “Rosebud”, directed by Orson Welles.

ANSWER: **Citizen Kane** <MZ>

19. This poet's soul is "like a star" that "beacons from above where the Eternal are" in an elegy that commands the reader to "weep" for him, Percy Bysshe Shelley's "Adonais." In one of his poems, the intoxicated speaker cries "Forlorn!" and wonders "Do I wake or sleep?" after listening to the addressee, who "wast not born for Death". Another of this poet's poems imagines the scene depicted by a "foster-child of Silence and slow Time", "sylvan historian", and "still unravished bride of quietness". For 10 points, name this English Romantic poet of "Ode to a Nightingale" and "Ode on a Grecian Urn", in which he wrote "Beauty is truth / and truth beauty".

ANSWER: John **Keats** <KX>

20. Two varieties of this mineral formed at high pressure and found in some meteorite craters are called coesite and stishovite. One variety's brown-gold fibrous crocidolite inclusions exhibit chatoyancy. That effect, also called "cat's eye", may be present along with a diasterism when this mineral is backlit. At the bottom of Bowen's reaction series, this trigonal crystal displays piezoelectricity, the basis for its use in clocks. It includes onyx, citrine, and "rose" varieties. For 10 points, name this mineral with chemical formula SiO_2 and Mohs hardness of 7, which, when purple, is called amethyst.

ANSWER: **quartz** [prompt on **silicon dioxide**; prompt on **SiO_2**] <ZP>

TB. This artist included a work where a black figure is characterized only by a red dot for a heart, *Icarus*, in his collection *Jazz*. His cutouts include a series inspired by African sculpture which shows a silhouetted woman performing various actions, *Blue Nudes*. A painting by this artist depicts a woman arranging fruit at a clothed table with floral patterns, his *Harmony in Red*. The title feature of this artist's painting of his wife divides her face into light and shadow. He depicted five nude women interlocking hands in a circle against a blue background in another painting. For 10 points, name this artist of *The Green Stripe* and *The Dance*, the founder of Fauvism.

ANSWER: Henri-Émile-Benoît **Matisse** <SoH>

Round 07 - Bonuses

1. The Bloom filter can check the correctness of one of these and yields a result of either “definitely not in the set” or “possibly in the set”. For 10 points each:

[10] Name these mappings of variable-length data to fixed-length data, used to encrypt passwords. They can be stored in namesake tables.

ANSWER: **hashing** [accept **hash**]

[10] Hashing collisions, when multiple inputs yield the same hash value, results from this mathematical principle. If you have more birds than boxes, this tells you that some birds are going to be crammed into the same box.

ANSWER: **pigeonhole principle**

[10] One hash collision exploit takes advantage of the high likelihood of many users to have the same one of these things. There is over a 50 percent chance that two among 23 people will share one due to the pigeonhole principle.

ANSWER: **birthday** [accept **birthday problem**; accept **birthday paradox**] <ZP>

2. This aria was originally adopted from Sebastian Yradier’s song “El Arreglito.” For 10 points each:

[10] Name this aria based on a descending chromatic scale sung by the title character of a certain opera. She sings that “Love is a rebellious bird that none can tame.”

ANSWER: **“Habanera”**

[10] “Habanera” is an aria from this Georges Bizet opera set in Spain. It includes the “Flower Song” and sees the bullfighter Escamillo sing the “Toreador Song.”

ANSWER: **Carmen**

[10] Bizet also wrote this opera which takes place in ancient Ceylon. Its aria “Au fond du temple saint” reveals that Zurga and Nadir both love Leila.

ANSWER: **Les pêcheurs de perles** [or **The Pearl Fishers**] <BM>

3. A cut can both end and begin. For 10 points each, answer the following about *kire* or cutting in Japanese aesthetics.

[10] In this genre of Japanese drama, actors cut off the natural walking gait to represent the episodic nature of life. Preceding *kabuki*, it is notable for utilizing stylized masks and is often performed alternating with *kyogen* plays.

ANSWER: **Noh** drama

[10] These landscapes are minimalist arrangements of water and stones that are cut from their surrounding environment by a low perimeter wall.

ANSWER: **rock gardens** [or **karesansui**; accept but otherwise do not reveal **Zen gardens**]

[10] Much of Japanese aesthetics including *kire* derives from this religion popular in Japan. It advocates cutting oneself from excess and embracing emptiness through meditation and *koans*.

ANSWER: **Zen** Buddhism [prompt on Mahayana **Buddhism**] <MZ>

4. This technique uses a heat-resistant enzyme isolated from *Thermus aquaticus*. For 10 points each:

[10] Name this common lab technique that amplifies DNA, involving thermal cycling of steps for denaturing, annealing, and elongation.

ANSWER: **polymerase chain reaction** [or **PCR**]

[10] These short nucleic acids can be chosen based on a PCR template by an eponymous BLAST tool. A byproduct made of dimers of these molecules can prevent accurate quantification or further amplification of the target sequence.

ANSWER: **primers**

[10] A higher content this pyrimidine nucleotide base can make the initial primer dimer more stable, as it causes its triple hydrogen bonds to have a higher melting point.

ANSWER: **cytosine** <SH>

5. This poem cycles around the image of a snaking river arriving forever. For 10 points each:

[10] Name this Spanish-language poem whose 584 lines parallel 584 days in the Aztec calendar. It opens by invoking “willow of crystal, a poplar of water / a pillar of fountain by the wind drawn over”.

ANSWER: “**Sunstone**” [or “**Piedra de sol**”]

[10] This Nobel-winning poet of “Sunstone” drew on his diplomatic experience to author *The Bow and the Lyre* and a novel that follows Hanuman, *The Monkey Grammarian*.

ANSWER: Octavio **Paz**

[10] Paz’s *The Labyrinth of Solitude* discusses the “invisible history” and *machismo* of this home country of Paz’s. Esperanza leads an easy and wealthy life in this country before her father’s death in *Esperanza Rising*.

ANSWER: **Mexico** <BM>

6. This band exhibited a more aggressive metal sound in their recent album *Kveikur*. For 10 points each:

[10] Name this post-rock band led by Jonsi, who plays bowed guitar and sings ethereal vocals in Vönlenska. Their albums include *Agaetis byrjun* (“OW-guy-tis bee-ARR-yun”), *Takk...*, and *Valtari*.

ANSWER: **Sigur Rós** (“see-uhr rose”)

[10] Sigur Rós collaborated with this English band on Merce Cunningham’s *Split Sides*. Headed by Thom Yorke, they released the song “Creep” and the albums *Kid A*, *OK Computer*, and *In Rainbows*.

ANSWER: **Radiohead**

[10] Sigur Ros hail from this Nordic country. It is also home to The Sugarcubes, Bjork, and Of Monsters and Men.

ANSWER: **Iceland** <MZ>

7. Identify some things about Cold War alliances, for 10 points each:

[10] This military organization dominated by the USSR combined the military force of the USSR with several other Eastern Bloc nations. It formed partly as a response to NATO, and the rejection of Soviet attempts to join NATO.

ANSWER: **Warsaw Pact**

[10] This Warsaw Pact nation was led by Nicolae Ceausescu following the death of Gheorghe Gheorghiu-Dej. It withdrew from the Pact following revolts in Timisoara.

ANSWER: **Romania**

[10] Turmoil in the Warsaw Pact occurred after this event in 1969, which led to Albania exiting from the Pact. It saw border clashes at Zhenbao River on the Ussuri River and was the result of ideological differences in Marxist theory.

ANSWER: **Sino-Soviet split** [accept answers that describe a **deterioration** of the **relationship** between the **USSR** and People’s Republic of **China**] <JL>

8. Occasionally, when two people love each other very much they might press their lips together, and an artist may depict this phenomenon. For 10 points each, name these artists of works entitled *The Kiss*:

[10] This French sculptor was inspired by Dante’s *Inferno* to depict Francesca and Paolo in his *The Kiss*. It was originally meant to adorn a larger work, his *Gates of Hell*.

ANSWER: Auguste **Rodin**

[10] This pop artist used comic-strip inspired Benday dots to paint his version of *The Kiss*, modeled after the famous V-Day photograph. He also depicted a girl who would “rather sink than call Brad for help.”

ANSWER: Roy **Lichtenstein**

[10] This American Dada photographer’s *The Kiss* was made by transferring the silhouettes of a pair of hands over an image of the title lovers. That technique became known as his namesake “graph.”

ANSWER: Man **Ray** [accept Emmanuel **Radnitzky**] <SoH>

9. While traveling with Bailey to Florida for vacation, she kicks Pitty Sing, causing the car to flip over. For 10 points each:

[10] Name this character from “A Good Man is Hard to Find”. She and her family are killed by the Misfit, who notes that she would have been a good woman if someone were there to shoot her every moment of her life.

ANSWER: the **grandmother**

[10] “A Good Man is Hard to Find” is by this Southern Gothic author of *Wise Blood*. She examined two prejudiced characters in “Everything that Rises Must Converge”.

ANSWER: Flannery **O’Connor**

[10] The Misfit shoots the grandmother when she recognizes him as one of these people and reaches out to touch his shoulder.

ANSWER: her own **children** [or her own **babies**] <MZ/KX>

10. The legality of slavery and its expansion westward became a prominent issue in the antebellum period. For 10 points each:

[10] Name this compromise struck in 1820 that resulted in the admittance of the namesake slave state into the Union at the same time as the free state of Maine. It prohibited slavery north of 36 degrees 30 minutes latitude.

ANSWER: **Missouri** Compromise

[10] In this Supreme Court case, Chief Justice Roger Taney (“TAW-nee”) declared all blacks ineligible for citizenship regardless of slave status and deemed the 36°30’ provision of the Missouri Compromise unconstitutional.

ANSWER **Dred Scott** v. *Sandford*

[10] The legality of slavery in the west came to a peak during Bleeding Kansas. This constitution was passed in response to the Topeka Constitution and declared that slavery was permitted in Kansas.

ANSWER: **Lecompton** Constitution <JL>

11. Answer the following about the prophecies of Calchas (“KAHL-kahs”), for 10 points each:

[10] Calchas told this commander of Greek forces to sacrifice his daughter Iphigenia before setting sail for Troy. After the war, he was murdered by his wife Clytemnestra.

ANSWER: **Agamemnon**

[10] Calchas recommended interrogating Helenus, who revealed that the Achaeans would need the bones of this figure to take Troy. He was given an ivory shoulder blade after his father Tantalus cut him up for the gods.

ANSWER: **Pelops**

[10] Helenus also revealed that the Achaeans would need to steal this object, a statue of Athena, because Troy would not fall while it remained inside the city walls.

ANSWER: the Trojan **Palladium** <MZ>

12. Sometime between 1350 and 1700, the pronunciation of certain sounds in English changed drastically. For 10 points each:

[10] These are sounds produced by an open throat. In English, they commonly said to be a, e, i, o, and u.

ANSWER: **vowels**

[10] After the Great Vowel Shift, most long vowels were pronounced higher. The highest pre-Shift vowels instead became these sounds, two adjacent vowels within the same syllable.

ANSWER: **diphthongs**

[10] Centring diphthongs only occur in these accents that exclude r from the coda of a syllable unless followed by a vowel. Received Pronunciation, other English accents, and the New York accent fall under this category.

ANSWER: **non-rhotic** accents [do not accept “rhotic accents”] <PS/SH>

13. For 10 points each, name some colonial powers in southern Africa.

[10] Name this country that colonized Angola and Mozambique. Sofala and Kilwa were major ports on this nation’s routes to Goa, Diu, and Calicut, which Vasco da Gama helped discover.

ANSWER: **Portugal**

[10] Zimbabwe and Zambia were formed from the northern and southern portions of this British colony, named after a British diamond magnate.

ANSWER: **Rhodesia**

[10] Rhodesia was in a federation with this other British colony from 1953 to 1963. It was named after the lake that it runs parallel to, which is now known as Lake Malawi.

ANSWER: **Nyasaland** <DM/RN>

14. A character in this novel is told that manuscripts don't burn. For 10 points each:

[10] Name this novel in which Woland and his retinue wreck havoc in an ardently atheistic city, while one of the title characters searches for her lover's manuscript about Yeshua and Pontius Pilate.

ANSWER: The Master and Margarita [or Master i Margarita]

[10] *The Master and Margarita* is by this satirist who wrote about Sharik, a dog who transforms into human, in *Heart of a Dog*.

ANSWER: Mikhail Bulgakov

[10] Bulgakov satirized the government of this state, which he depicted creating a "new man" and sponsoring the useless MASSOLIT. Aleksandr Solzhenitsyn criticized their forced labor system in *The Gulag Archipelago*.

ANSWER: Soviet Union <MZ>

15. It is 100 degrees Celsius for water. For 10 points each:

[10] Name this temperature at which a liquid changes to a gas. This point is when the liquid's vapor pressure is equal to the pressure exerted on it by its surroundings.

ANSWER: boiling point

[10] Boiling point elevation is one of these properties, including freezing point depression and osmotic pressure. These properties only depend on the relative amount of solute rather than its identity.

ANSWER: colligative properties

[10] This value, named for a Dutch chemist, is equal to the number of ions of solute per formula unit in an ideal solution. It equals one for molecules that do not associate or disassociate, and is symbolized *i*.

ANSWER: van 't Hoff factor <SH>

16. The British colony in South Africa was relatively peaceful for about 100 years. For 10 points each:

[10] The British Empire fought two conflicts known by this name, first against the South African Republic, and then against the Orange Free State. These conflicts named for Dutch farmers resulted in the Union of South Africa.

ANSWER: Boer Wars

[10] In the Second Boer War, Lord Kitchener used this tactic to subdue the enemy. This tactic, also used by William Sherman in the Civil War, involves advancing or withdrawing armies destroying resources useful to the enemy.

ANSWER: scorched earth

[10] Before the Second Boer War, this event tried to cause a Uitlander revolt, though it was put down by Piet Kronje. Cecil Rhodes stepped down as Prime Minister of Cape Colony after his role in this event was revealed.

ANSWER: Jameson Raid <AM/RN>

17. Answer these questions about totems called Tjurungu ("chuh-ROON-guh"), for 10 points each:

[10] Tjurunga are spiritual totems of indigenous people from this country. Those people are collectively known as "Aborigines."

ANSWER: Australia

[10] The Tjurunga cannot be approached by people who have not undergone this rite. Women, foreigners, and children who have not come of age cannot undergo this.

ANSWER: initiation rite [accept equivalents like initiation into the clan]

[10] This ritual, performed on male Jewish babies, is an example of an initiation rite.

ANSWER: circumcision [or brit milah; or bris; prompt on first mitzvah] <MAG>

18. Many composers were inspired to write their music by our avian friends. For 10 points each:

[10] The pentatonic scale features prominently in the solo violin part in this Ralph Vaughan Williams work, whose extensive cadenzas represent a certain bird.

ANSWER: *The* Lark Ascending

[10] A flute trill represents the call of a nightingale in this Beethoven symphony, which also features an oboe call representing a quail in its second movement "By the brook."

ANSWER: Pastoral *Symphony* [accept *Symphony No. 6* and equivalents]

[10] Beethoven's *Pastoral Symphony* also uses this instrument to represent the two-note call of a cuckoo. It is a single reed woodwind instrument.

ANSWER: clarinet <BM>

19. The original pronunciation renders this poem's oxymoron "fatal loins" as the meta-reference "fatal lines". For 10 points each:

[10] Name this sonnet by Shakespeare about a pair of "star-cross'd lovers" that opens, "two households, both alike in dignity" before describing what will be "two hours' traffic".

ANSWER: prologue to Romeo and Juliet [do not accept "Romeo and Juliet"]

[10] This character from *Romeo and Juliet* calls for "a plague o' both your houses" after he is fatally stabbed by Tybalt. He jokes, "ask for me tomorrow and you will find me a grave man".

ANSWER: Mercutio

[10] In Act I, scene IV of *Romeo and Juliet*, Mercutio gives a speech about this fairy whose chariot is "drawn with a team of little atomies / athwart men's noses as they sleep", compelling people to dream.

ANSWER: Queen Mab <MZ>

20. These objects have a constant radius of curvature and are sometimes used in particle condensers. For 10 points each:

[10] Name these devices with biconcave and biconvex varieties which can transmit and bend incoming rays of light to focus them. In our eyes, they work with the cornea to accommodate moving objects, focusing light on the retina.

ANSWER: lenses

[10] This is a measure of how strongly a lens can converge or diverge light. It is equal to half the harmonic mean of the distances between the light source and the lens and between the lens and the screen on which the image is projected.

ANSWER: focal length

[10] A lens can experience this type of optical distortion in which it can't focus all of an object's colors onto the same point, resulting in a blurred image.

ANSWER: chromatic aberration [prompt on partial] <BM>

TB. Its narrator begins by recalling his childhood sketch of a boa constrictor devouring an elephant. For 10 points each:

[10] Identify this novel in which a wandering boy who leaves the asteroid B-612 because he does not know how to love his rose. He meets the narrator, now a full-fledged pilot whose plane has broken down in the Sahara.

ANSWER: *The Little Prince*

[10] This author of *The Little Prince* and *Southern Mail* expanded on his experience as a stranded aviator in the Sahara Desert in his memoir *Wind, Sand, and Stars*.

ANSWER: Antoine de Saint-Exupéry

[10] The Little Prince wonders whether his fictional sheep will eat bushes as well as this type of tree, which must be diligently uprooted before it grows rampant and squeezes the life out of his home planet.

ANSWER: baobabs <SoH>