

## Prison Bowl VI

Questions written and edited by Hunter College High School (Sam Brochin, Swathi Chakrapani, William Dou, David Godovich, Lily Goldberg, Jason Gurevitch, Willie Ha, Sarah Hamerling, Sophey Ho, Brian Huang, Sayema Islam, Jonathan Lin, Brent Morden, Alex Moschetti, Tenzin Norzin, Wilton Rao, Ruth Schoenfeld, Priya Srikumar, Karina Xie, Marianna Zhang, and Zihan Zheng)

### Round 10 - Tossups

1. A procedure performed on this organ, the Tokyo method, differs from Wertheim's method by operating on this organ's cardinal ligament rather than the parametrium. A hydatidiform mole in this organ may result in deviations from McDonald's rule, which measures the height of this organ's fundus. This organ's innermost lining thickens during the follicular phase. That layer, the endometrium, is shed in the absence of progesterone. Two Fallopian tubes connect it to the ovaries, and this organ is connected to the vagina by the cervix. For 10 points, name this female reproductive organ where the fetus develops.

ANSWER: uterus [or womb] <PS>

2. According to Suetonius, when an engineer proposed using labor-saving innovations to move columns, this man refused, stating "you must let me feed my poor commons". This man's victory at the Siege of Yodfat led to the acquisition of his slave Josephus, who later chronicled this man's successes at the Siege of Masada and his quelling of the Great Jewish Revolt. After Galba was defeated by Vitellius at the first battle of Bedricum, this man marched on Rome to claim the title of Emperor. His rise to power ended the Year of the Four Emperors. For 10 points, name this father of Titus and Domitian, a Roman emperor who founded the Flavian Dynasty.

ANSWER: Titus Flavius Vespasianus <WR>

3. A work by this poet features the Wanderer, the Solitary, and the Pastor. In another poem, the title character loses his land and is forced to send his son Luke away. This poet of "The Excursion" and "Michael" described "the Child among his new-born blisses" among many "recollections of early childhood" in "Ode: Intimations of Immortality". "Strange fits of passion have I known" open one of his Lucy poems. This poet who portrayed the "growth of a poet's mind" in "The Prelude" wrote "five years have passed" in a poem addressed to his sister Dorothy. For 10 points, name this Romantic co-author of *Lyrical Ballads*, which includes his "Tintern Abbey".

ANSWER: William Wordsworth <MZ>

4. One operetta by this man, in which war between two states manifests itself as love between Colonel Umberto Spinola and Countess Violetta, is the source of themes in his *Kiss Waltz*. This composer wrote a bouncy polka in D-major whose title means "Chit-Chat", the *Tritsch-Tratsch Polka*. Gabriel von Eisenstein is sentenced to prison for insulting an official in this composer's comic operetta *Die Fledermaus*. For 10 points, name this Viennese composer known as the "Waltz King," who wrote the *Kaiser-Walzer* and the *Blue Danube*.

ANSWER: Johann Strauss II [accept Strauss Jr.; prompt on just "Strauss"] <BM>

5. This mythological figure was upset by a god who threw a garland of flowers to the floor, after which it took 1000 years before she would emerge from the churning Kshirsagar along with the moon, her brother. One of her secondary manifestations is commonly depicted with two elephants; there are eight such manifestations. Her followers are wary of the owl, this four-handed goddess's vehicle, which symbolizes attachment to material wealth. She is usually depicted sitting on and holding a lotus, symbolizing fertility. She has manifested herself as a human ten times, including as Radha. For 10 points, name this Hindu goddess, the consort of Vishnu and goddess of wealth and prosperity.

ANSWER: Lakshmi [or Mahalakshmi; or Shri] <PS>

6. One form of this quantity equals the square root of mass times g times length divided by moment of inertia for a physical pendulum. For a spring, that same value is the square root of the spring constant over mass. That quantity is symbolized omega and is known as the "angular" type of this value. For an electromagnetic wave, this quantity is equal to  $2\pi/\lambda$ , making this value inversely proportional to wavelength. This quantity has units of inverse seconds because it is the reciprocal of the period. For 10 points, name this quantity representing the number of cycles per unit time, often measured in hertz.

ANSWER: frequency [or angular frequency; prompt on "f"] <WR>

7. The Treaty of Coche ended the Federal War in this country, upon which José Antonio Páez resumed his exile. Following atrocities committed by the enemy, an independence fighter from this country issued the Decree of War to the Death. Juan Vicente Gomez gave out grants to use explore one area of this nation for oil, and it achieved independence following the battle of Carabobo. Another leader of this country replaced Carlos Andres Perez, and this nation has consistently relied on oil wealth primarily generated from Lake Maracaibo. For 10 points, name this South American country formerly led by Hugo Chavez.

ANSWER: Bolivarian Republic of Venezuela <ZZ>

8. One of this man's works depicts frightened horses pulling a stagecoach towards the viewer while performing levades in order to make way for a cyclist. In addition to the black and white *The Right of the Road*, this man painted a solitary figure riding a horse in the moonlit night, *The Outlier*. Cowboys cover their faces with hats while their horses stare at the viewer in *Cavalry in an Arizona Sandstorm* by this man. This artist is also known for his bronze sculptures of cowboys riding their horses and of bucking broncos, such as his *The Bronco Buster*. For 10 points, name this American painter, sculptor, and photographer known for scenes from the Old American West.

ANSWER: Frederic Remington <BM>

9. In a novel from this nation, Maria Iribarne is stabbed by the painter Castel, who turns himself in to the police. That novel, *The Tunnel*, is by Ernesto Sabato. Various films are recounted by Luis Molina in a novel from this country, *Kiss of the Spider Woman*. A medical student and Alberto Granado ride on *La Poderosa* to depart from this country in *The Motorcycle Diaries*. Another novel from this nation features a Table of Instructions on the order in which its chapters should be read, *Hopscotch*. For 10 points, name this birthplace of Manuel Puig, Julio Cortazar, and Che Guevara, whose memoir describes him leaving its capital Buenos Aires.

ANSWER: Argentina [or Argentine Republic] <WR>

10. The first relief pitcher to win the MVP award, Jim Konstanty, pitched for this team when they won the National League pennant in 1950. At one point, this team shared Shibe Park with another team in their city, and their career leader in innings pitched is Robin Roberts. More recently, in 1972 Steve Carlton won 27 games for this team, and in 1980 this team was led to a World Series victory by Mike Schmidt. In 2007, this team made an improbable comeback against the Mets to capture the NL East title. For 10 points, name this baseball team whose award winners in recent years have included Jimmy Rollins, Ryan Howard, and Roy Halladay, a team that plays in the same city as the NFL's Eagles.

ANSWER: Philadelphia Phillies [accept either] <Paul>

11. This organization was responsible for a raid against the Elduyens, and some of its activities were made illegal by a Force Act. Thomas E. Watson was instrumental in leading its reformation, and a trial in Meridian convicted several members of this organization for the murders of Schwerner, Chaney, and Goodman. This organization met after the death of Mary Phagan at Stone Mountain, while coverage of an event it held led to the case *Brandenburg v. Ohio*. *The Birth of a Nation* glorified this group, and members from it bombed the 16th Street Baptist Church. For 10 points, identify this organization first led by Nathan Bedford Forrest which heavily opposed the Reconstruction and whose members wore white.

ANSWER: Ku Klux Klan <ZZ>

12. This compound reacts with hydrocyanic acid in the presence of an aluminum chloride catalyst to form an aldehyde in the Gattermann reaction. Replacing two hydrogens in this molecule with hydroxyls forms hydroquinone, which features *para*- substitution as opposed to *ortho*- or *meta*-. Other derivatives of this compound, synthesized in the Friedel-Crafts reaction, include phenol and toluene, while reacting this molecule with hydrogen yields cyclohexane. This molecule contains three pairs of alternating single and double bonds arranged in a cyclic hydrocarbon. For ten points, name this organic compound with molecular formula C<sub>6</sub>H<sub>6</sub>.

ANSWER: benzene [accept C6H6 before mention] <AM>

13. The speaker of this poem describes his love for breathing the unperfumed and undistilled atmosphere. In this poem, which ends “I stop somewhere, waiting for you”, the speaker listens in awe to the sound of his own “belch’d words” and asks the reader to “loose the stop from your throat”. Its sixth canto describes “the beautiful uncut hair of graves” in response to a child who asks “What is the grass?”. Its speaker asks the reader to “loafe with me on the grass” and declares “What I assume you shall assume” and “I am large, I contain multitudes”. For 10 points, name this epic poem from *Leaves of Grass* that opens “I celebrate myself”, written by Walt Whitman.

ANSWER: “Song of Myself” <MZ>

14. On the right side of this work is a backgammon table with three dice on it, while a woman carrying a jug and a candle has another large die on her head. The left side of this painting depicts a unicorn, a giraffe, and a large pink fountain. The exterior of this work is a grisaille of a transparent sphere containing traces of vegetation, the world during the Third Day of creation. This painting’s left panel includes God’s hand on Eve’s wrist in Eden, while its rightmost panel depicts punishment in Hell and its central panel contains many nudes frolicking in the title sinful location. For 10 points, name this triptych by Hieronymus Bosch.

ANSWER: *The Garden of Earthly Delights* <WR>

15. One dam on this river is located where the Spokane Hills meet the Big Bend Mountains. Along with Canyon Ferry Dam, Garrison Dam on this river forms Lake Sakakawea. This river is formed by three headwater tributaries which meet near a town in Gallatin County; those tributaries form this river in Three Forks, Montana. Besides the Madison and Jefferson Rivers, other tributaries of this river include the Platte and Yellowstone Rivers. This river flows through the Dakotas before forming part of the border between the namesake state and Kansas. For 10 points, name this river which joins with the Mississippi River near St. Louis.

ANSWER: Missouri River <WR>

16. This psychologist compared understanding individualization with understanding alchemical processes in *Psychology and Alchemy*. He analyzed quaternity in symbols of wholeness in a work on mandalas, *Memories, Dreams, Reflections*. He described the union of opposites as syzygy and a non-causal relationship between two events as synchronicity. Another of his concepts are universal symbols or trends, and include the persona, the shadow, the anima and animus. For 10 points, name this psychologist who outlined his theory of archetypes as expressions of the collective unconscious in *Psychological Types*.

ANSWER: Carl Gustav Jung <MZ>

17. This writer advocated for gestus and the alienation effect in a theoretical work. This author of numerous “learning-plays” and *A Short Organum for the Theater* wrote a play in which the Grand Duke is saved by Azdak. In that play, Azdak is appointed a judge and declares Michael’s mother to be Grusha. In another of his plays, the title character’s cart becomes lighter as the play progresses. After drawing slips of paper marked with crosses, Eilif, Katrin, and Swiss Cheese are all killed in that play, which centers on Anna Fierling. For 10 points, name this proponent of epic theater who wrote *The Caucasian Chalk Circle* and *Mother Courage and Her Children*.

ANSWER: Bertolt Brecht <MZ>

18. Graphing one of these objects versus scale on a log-log plot yields a straight line with the slope equalling this object’s namesake dimension. A related quantity that characterizes these objects is the topological dimension, which is always smaller than the Hausdorff dimension. In addition to space-filling curves and Julia sets, the most famous example of these objects is named for a mathematician who studied the coastline of Britain. They include the Sierpinski gasket, the Koch snowflake, and the Mandelbrot set. For 10 points, name these self-similar patterns that, at every scale, contain smaller copies of themselves.

ANSWER: fractals <WR>

19. In a work compiled by his student G. E. M. Anscombe, this philosopher argued that some statements had to be exempt from doubt, like hinges on a door. This author who analyzed G.E. Moore’s “here is one hand” statement in *On Certainty* described a series of overlapping similarities as a “family resemblance”. He wrote about a “builder’s language” in an explanation of why it was unnecessary to strictly define terms to make meaningful statements. This philosopher who popularized the use of truth tables wrote about a “beetle in a box” and a “duck-rabbit” in *Philosophical Investigations*. For 10 points, name this philosopher of language who wrote *Tractatus Logico-Philosophicus*.

ANSWER: Ludwig Wittgenstein <WD>

20. After taking one of these objects from Muhammad Shah, Nader Shah allegedly exclaimed, “Koh-i Noor!”, referring to its diamond. Another one of these objects was constructed to house a spoil of war which Edward I took from Scone Abbey. An ivory one of these was crafter for Ivan IV, and, after the Battle of Feyiase, in which the Denkyera were defeated, Okomfo Anokye legendarily made one of these objects descend onto Osei Tutu. They also include the “golden” symbol of the Ashanti Empire, the “Peacock” one of the Mughals, and the “Dragon” one of the Chinese. For 10 points, name these pieces of furniture upon which ruling monarchs often sat.

ANSWER: **thrones** [accept **chair**; prompt on “stool”; accept **diamond** before mention] <WR>

TB. This writer created a character who visits a burned out town where he catches a jar of grasshoppers and fishes for trout. That character assists his father in delivering a baby in “Indian Camp”. An attack on a passing train is a point of pride in one of this writer’s novels, which ends with the protagonist lying in ambush. In that novel by this writer, the central plot is foiled by the crossing of a tank, and Pablo betrays the protagonist. This writer created a character who runs away from the Italian Army called Frederic Henry in *A Farewell to Arms*. For 10 points, name this author of *The Sun Also Rises*, *For Whom the Bell Tolls*, and *The Old Man and the Sea*.

ANSWER: Ernest **Hemingway** <AM/ZZ>

### **Round 10 - Bonuses**

1. Winged hussars from this polity charged to victory at battles such as Klushino and Kluzyn. For 10 points each:

[10] Identify this polity formed following the Union of Lublin which dissolved following a series of partitions.

ANSWER: **Polish-Lithuanian** Commonwealth

[10] A Polish-Lithuanian force relieved a siege of this city under the leadership of Jan III Sobieski. The city had previously withstood an Ottoman siege in 1529 which ended a century of unchecked Ottoman conquest.

ANSWER: **Vienna** [or **Wien**]

[10] The Polish-Lithuanian Commonwealth used this unique political system in which the king was elected by the nobles. Included a Parliament called the Sejm, this system was often indecisive during crises as each representative could nullify legislation by using the liberum veto.

ANSWER: **Golden Liberty** <ZZ>

2. In the “withdrawing roar” of “the Sea of Faith”, the speaker of this poem hears an “eternal note of sadness”. For 10 points each:

[10] Identify this poem that describes a “darkling plain... where ignorant armies clash by night”.

ANSWER: **“Dover Beach”**

[10] This author of *Culture and Anarchy* and retold a story from the *Shahnameh* in “Sohrab and Rustum”. He penned “Dover Beach” and an elegy for Arthur Clough, “Thyrsis”.

ANSWER: Matthew **Arnold**

[10] Arnold wrote “Thyrsis” as a follow-up to this poem. Compared to a “Tyrian trader”, the title figure of this poem wanders around Oxford, waiting for a “spark from Heaven”.

ANSWER: “The **Scholar Gipsy**” <MZ>

3. Variants of this problem involve the agent’s mother and actively pushing a fat man onto the track. For 10 points each:

[10] Name this thought experiment proposed by Philippa Foot which asks whether it is ethical to flip a track switch to kill one man instead of five.

ANSWER: **trolley problem**

[10] As a form of consequentialism, this ethical theory would have the agent flip the switch to maximize the net happiness for the greatest number.

ANSWER: **utilitarianism**

[10] Unlike consequentialism, this theory would hold that the agent must not act. Notably championed by Immanuel Kant, it derives morality from the nature of the action itself in relation to a norm, such as rules or duty.

ANSWER: **deontology** <MZ>

4. It contains an inner region heavy with silicate perovskite. For 10 points each:

[10] Name this region separated from the Earth’s crust by the Mohorovičić discontinuity. Its deepest 200 kilometers, known as the D” (“D double prime”) layer, is directly above the outer core.

ANSWER: **mantle**

[10] This region of the mantle is in isostatic equilibrium with its more rigid counterpart, the lithosphere. Due to plastic deformation, seismic waves move at low speeds through it.

ANSWER: **asthenosphere**

[10] This theory posits that the lithosphere is composed of the namesake pieces which move on the asthenosphere due to basal drag and slab suction. This theory builds on the earlier work of Alfred Wegener.

ANSWER: **plate tectonics** [accept underlined parts in either order; prompt on partial] <WR>

5. This man imitated *The Third of May, 1808* in a painting where genderless soldiers aim their weapons at pregnant women, *Massacre in Korea*. For 10 points each:

[10] This man depicted one of his lovers in *Dora Maar au Chat*. Aside from his synthetic and analytic periods, this man also experienced a “Rose period”, where his paintings are dominated by pink.

ANSWER: Pablo Picasso

[10] A bowl of grapes is at the bottom of this Picasso painting, which depicts five angular nude prostitutes. Two of them wear African masks and the other three have faces in the Iberian style.

ANSWER: *Les Demoiselles d'Avignon* [or *The Young Women of Avignon*]

[10] This black-and-white work was painted by Picasso in response to the bombing of the titular city. It features a light bulb hanging over a woman holding a dead child in her hands.

ANSWER: *Guernica* <SoH>

6. Name some things about the contentious nomination of Robert Bork to the Supreme Court, for 10 points each.

[10] This president nominated Bork to the court to replace Lewis Powell, and later nominated Anthony Kennedy after Bork's rejection. His presidency also saw the Air Traffic Controller's strike.

ANSWER: Ronald Reagan

[10] Within an hour of the nomination announcement, this long-serving senator from Massachusetts took to the Senate Floor to denounce it. He never secured the Democratic nomination for the presidency as a result of an incident at Chappaquiddick Creek.

ANSWER: Ted Kennedy [prompt on “Kennedy”]

[10] This man was the head of the Senate Judiciary committee, and opposed Bork's nomination on the grounds that Bork sought to overly expand executive power. He is now serving as the vice-president.

ANSWER: Joseph Biden <ZZ>

7. The Empire is thought to be under attack by the title group of this novel. For 10 points each:

[10] In this novel, the Magistrate is arrested after taking care of an injured girl from the title group. At the end, Colonel Joll and other members of the Third Bureau flee as the Magistrate and other townsfolk calmly stay put.

ANSWER: *Waiting for the Barbarians*

[10] This South African author of *Waiting for the Barbarians* and *Life & Times of Michael K* created David Lurie, an English professor who stays in his daughter's farm after being dismissed from his job.

ANSWER: John Maxwell Coetzee

[10] J. M. Coetzee's debut novel was this work that sees Eugene Dawn, the author of the Vietnam Project, kidnap his own Martin. Its second part jumps back in time to Jacobus Coetzee's interaction with the Namaqua.

ANSWER: *Dusklands* <PS>

8. It's time to talk about lab safety for 10 points each.

[10] You'd better have your safety goggles on when performing this procedure, because it often involves strong acids and bases. This method uses a burette and an indicator to determine unknown concentrations.

ANSWER: titration

[10] Make sure to keep a fire blanket nearby in case one of these reactions gets out of control. In these exothermic reactions, organic compounds, typically hydrocarbons, react with oxygen and form carbon dioxide, water and heat.

ANSWER: combustion

[10] Always have a saturated solution of this chemical on hand in order to neutralize spilled acids. This amphoteric compound with chemical formula  $\text{NaHCO}_3$  is also a useful leavening agent.

ANSWER: sodium bicarbonate or sodium hydrogen carbonate [accept baking soda] <WR>

9. This theory is normally used when considering the bottom-up approach to processing. For 10 points each:  
[10] This theory claims that the whole is greater than its parts. Central to this theory is the law of *pragnanz* which claims that we try to find order and regularity in our sensations.

ANSWER: Gestaltism [or Gestalt theory]

[10] This theory that emerged from Gestalt theory holds that there exist two of its namesake entities in memory, verbatim and gist. It also attempts to explain risky decision making.

ANSWER: fuzzy-trace theory

[10] Gestalt theory was started in this city by Carl Stumpf, Max Wertheimer, and Wolfgang Kohler, who formed their namesake school.

ANSWER: Berlin [or Berlin School] <WH>

10. This work's libretto was written by the life partner of the composer, Gian-Carlo Menotti. For 10 points each:

[10] Name this opera where the title delusional aristocrat believes that Anatol is her old lover. Erika, the title character's niece, aborts Anatol's baby and ends up living in a house with all her mirrors covered up.

ANSWER: Vanessa

[10] Vanessa was composed by this American who wrote *Knoxville: Summer of 1915* as well as a piece that begins on a B-flat from the violins that develops into a stepwise melodic line, *Adagio for Strings*.

ANSWER: Samuel Barber

[10] Barber's *Capricorn Concerto* is scored for strings, oboe, trumpet and this instrument. Claude Debussy's *Syrinx* is for this instrument, which also plays an opening passage in Debussy's *Prelude to the Afternoon of a Faun*.

ANSWER: flute <WR>

11. It's time to name some anime for 10 points each.

[10] Goku the Saiyan travels around the world learning martial arts, beating up enemies like Vegeta and Piccolo and searching for the title magical orbs in this 291-episode series.

ANSWER: Dragon Ball Z [or Doragon Bōru; accept Dragon Ball suffixed by anything]

[10] Hirasawa Yui joins the Light Music club and befriends bassist Mio Akiyama and drummer Tainaka Ritsu in this anime. They later form the band Ho-Kago Tea Time which performs at Sakura High School.

ANSWER: K-On! [or Keion!]

[10] This anime's title pink-haired protagonist makes a contract to become a magical girl with the alien Kyuubey ("Q-bay"), joining the ranks of the time-stopping Homura Akemi and sword-wielding Sayaka Miki.

ANSWER: *Puella Magi* Madoka Magica [or *Magical Girl* Madoka] <WR>

12. The title object is spun to read messages such as "SOME PIG". For 10 points each:

[10] Name this children's book in which Fern and a spider attempt to save Wilbur, the runt of the litter.

ANSWER: Charlotte's Web

[10] This author of *Charlotte's Web* created a mouse who befriends Snowbell and Margalo in *Stuart Little* and a mute swan in the *Trumpet of the Swan*.

ANSWER: Elwyn Brooks White

[10] This writing manual by Strunk and White outlines a number of "elementary rules". Its Rule 17 states "omit needless words".

ANSWER: *The* Elements of Style <MZ>

13. The activist An Jung-Geun assassinated Itō Hirobumi ("ee-toe hear-O-boom-y") in order to prevent Japanese occupation. For 10 points each,

[10] Identify this entity now split along the DMZ line. It was first unified under the Joseon kingdom and uses the Hangul alphabet.

ANSWER: Korea

[10] This Japanese ruler twice attempted to conquer Korea, but was repelled by a joint Ming-Joeson alliance on both occasions. After his death he was effectively succeeded by Tokugawa Ieyasu.

ANSWER: Toyotomi Hideyoshi

[10] This first President of South Korea served for several years as the head of the Provision Government in Shanghai. He maintained power thanks to US backing before he was forced out of office by the April Revolution due to his repressive policies.

ANSWER: Syngman Rhee <ZZ>

14. Their name is Greek for “spiny skin”, referring to their external calcareous ossicles. For 10 points each:

[10] Identify this phylum which contains the classes Holothuroidea and Asteroidea, or sea cucumbers and starfish. These organisms possess stone canals connected to madreporites, part of the water vascular system.

ANSWER: **Echinodermata**

[10] Echinodermata exhibit the pentamerous form of symmetry, in which they appear the same after a 72 degree turn. Echinoderm larvae, however, do not possess this type of body plan.

ANSWER: **radial symmetry** or **rotational symmetry** [or word forms; prompt on partial]

[10] Water vascular systems of echinodermata are composed of canals and these organs, which use hydraulic pressure for locomotion or food transport. Apodida lack these characteristic appendages.

ANSWER: **tube feet** [prompt on partial] <WR>

15. Answer the following about Trojan royalty, for 10 points each.

[10] This man was the king of Troy at the time of the *Iliad*. This father of Hector was killed by Achilles’s son.

ANSWER: **Priam**

[10] This princess was the daughter of Priam and Hecuba. She had the gift of foresight but was cursed by Apollo so that nobody would listen to her predictions.

ANSWER: **Cassandra**

[10] Cassandra predicted this tool used by the Greeks to enter Troy. It was made of wood, and warriors, including Odysseus, Neoptolemus, and the lesser Ajax, hid inside it.

ANSWER: **Trojan Horse** <WD>

16. Name some large islands for 10 points each.

[10] This Indian Ocean island nation is located off the southeastern coast of Africa. Its capital of Antananarivo is located in the Analamanga region.

ANSWER: Republic of **Madagascar**

[10] This archipelago owned by Chile and Argentina is separated from the rest of South America by the Strait of Magellan. Its southernmost island is Cape Horn, and it also includes a Staten Island.

ANSWER: **Tierra del Fuego** [or **Land of Fire**]

[10] Located north of both Mindanao and the Visayas, this largest island in the Philippines contains the Mayon Volcano on Bicol Peninsula. The Batasang Pambansa Complex is located in this island’s Quezon City.

ANSWER: **Luzon** <DG>

17. Crosses have held significant meaning throughout history in emblems. For 10 points each:

[10] This medal, a cross pattee made from gunmetal, was awarded to 7 members of the defenders at Rorke’s Drift, and 18 of them were awarded for actions performed during the Second Relief of Lucknow. It is the highest military decoration in the United Kingdom.

ANSWER: **Victoria Cross**

[10] The Cross of Lorraine was the symbol of this movement, led by Charles de Gaulle. It vowed to keep fighting after Henri Petain negotiated the French surrender during World War II. It formed a government-in-exile to challenge the legitimacy of the Vichy regime.

ANSWER: **Free France** [or **Free French** Forces]

[10] This pro-Nazi party in Hungary rose to power with Hitler’s support under the leadership of Ferenc Szalasi. It rounded and killed thousands of Jews before being overthrown by Soviet forces.

ANSWER: **Arrow Cross** Party <ZZ>

18. The title character tells Sonya that he has picked “some autumn roses, beautiful sorrowful roses”. For 10 points each:

[10] Identify this play in which the summer visit of Professor Serebryakov and his beautiful wife Yelena shakes up the household dynamics at a country estate.

ANSWER: **Uncle Vanya**; *Scenes From Country Life* [or **Dyadya Vanya**]

[10] This playwright of *Uncle Vanya* wrote a drama in which Masha declares “we have to go on living”, *Three Sisters*, and a tragicomedy that ends with chopping heard offstage, *The Cherry Orchard*.

ANSWER: Anton **Chekhov**

[10] In this Chekhov play, the aspiring playwright Konstantin is told that his characters are all dead. Konstantin later kills the title creature and commits suicide while Nina pursues her idol, the writer Trigorin.

ANSWER: *The* **Seagull** [or **Chayka**] <MZ>



19. The differential Airy function is sometimes named after him. For 10 points each:

[10] Name this Irish physicist who names a difficult-to-solve set of equations in fluid mechanics with a French contemporary. His namesake shift measures the wavelength difference of a particle undergoing Raman scattering.

ANSWER: Sir George **Stokes**, 1st Baronet

[10] The CGS system of units measures this property in Stokes. This quality, the ability of a fluid to resist flow, is very high for pitch and zero for a superfluid.

ANSWER: **viscosity**

[10] The viscosity of a Newtonian fluid has this unique property. The density of a homogeneous, incompressible fluid has this property throughout the fluid, such that the integral of the density function is a linear function.

ANSWER: it is **constant** [accept things referring to the fact that it **doesn't change**] <WR>

20. Fasting is a common practice in many religions. For 10 points each:

[10] Abstinence from animal products was formerly daily during these forty days, but in modern times is generally observed on Fridays. Ash Wednesday, a day of fasting, marks the beginning of this holiday that ends before Easter.

ANSWER: **Lent** [accept **Quadragesima**]

[10] This month of fasting precedes Shawaal. Laylat al-Qadr occurred during this month, during which meals called suhoor and iftar are eaten before dawn and at sunset, respectively.

ANSWER: **Ramadan** [accept **Ramazan** or **Ramzan**]

[10] Fasting for this holiday is in memory of the destruction of the temples of Jerusalem, both occurring on this day. In addition to fasting, observers abstain from washing, wearing leather shoes, and studying the Torah.

ANSWER: **Tisha B'ay** [accept the **Ninth of Av**] <PS>

TB. This 1982 conflict was between Argentina and the United Kingdom. For 10 points each:

[10] Leopoldo Galtieri ordered the Argentine armed forces to invade a South Atlantic archipelago in this war. The Argentine Admiral Jorge Anaya did not expect a response from the British military.

ANSWER: **Falklands War** [accept **Falklands Crisis**, **Conflict**, etc.]

[10] This British Prime Minister, nicknamed the Iron Lady, insisted on maintaining a "nuclear option" during the war. She easily won reelection after Britain's victory

ANSWER: Margaret **Thatcher**

[10] This engagement in the Falklands War saw the 3 Commando Brigade carry out an aggressive attack up Darwin Hill. This battle changed the momentum of the war and was the first significant land engagement.

ANSWER: Battle of **Goose Green** <JL>