

Prison Bowl VII

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Round 03 – Tossups

1. One film from this country sees an elderly couple travel to the city only to be shooed off by their children and uses almost exclusively low-angle stationary shots. In another film from here, the protagonist struggles to find her own “ghost” while leading Section 9 on a hunt for the Puppet Master. *Ghost in the Shell* is a film from this country, which also produced a film whose protagonist returns a cursed gold seal to Zeniba to cure her friend Haku. That character feeds copious amounts of food the spirit No-Face while attempting to save her parents, who have been transformed into pigs. For 10 points, name this country that produced *Spirited Away*.

ANSWER: Japan [or Nippon] <MZ>

2. John McNaughton set up Depression-era labor camps in this province to build its nation's railroads. John Simcoe's governorship preceded the “Family Compact” that ruled it from York. The Baldwin-LaFontaine ministries passed the Rebellion Losses Act in this province. The Durham Report proposed uniting Lower Canada, or Quebec, with this. The New Democratic Party of its nation is based here, and the Welland Canal connects Lake Erie with a lake named after this province. Tecumseh died here at the Battle of the Thames during the War of 1812. For 10 points, name this most populous Canadian province that borders Quebec and Manitoba and contains Toronto.

ANSWER: Ontario <RN>

3. In this work, the protagonists must escape an all-female kingdom and a lair of spider spirits as part of eighty-one challenges. One figure in this work who wipes his name from the Book of Death and steals the peaches of immortality is sealed under a five-fingered mountain. That shape-shifting, staff-wielding character is released on the condition that he would accompany Pig and Sandy in protecting a priest on his way to Vulture Peak. For 10 points, name this Chinese novel in which Sun Wukong goes on a pilgrimage with Tang Seng to retrieve Buddhist scriptures from India.

ANSWER: Journey to the West [or Xi You Ji] <KX>

4. These phenomena can be classified as L or P, the latter signifying a plateau in their decay rate due to the opacity of the ionized outer layer. Radioactive nickel and cobalt in their remnants are suggested by decay rates of 55 and 78 days in their light-curves; both are formed by neutron capture in the r-process. A strong silicon line in their spectra characterizes their Ia (“one a”) type, which can be used as standard candles. They result when certain degenerate stars accumulate mass beyond the Chandrasekhar limit. One observed in 1987 in the Large Magellanic Cloud was caused by sudden stellar core-collapse followed by a shockwave. For 10 points, name these cataclysmic stellar events.

ANSWER: supernova [do not accept or prompt on “nova”] <ZP>

5. Carl Czerny inspired this composer to write the first of his *Etudes* for piano, which he named “For the Five Fingers.” A piano suite of his includes a recurring F, E-flat, F, E-flat, D-flat motif in its third movement. Another one of his piano suites includes a fast-paced “Golliwogg’s Cakewalk.” This composer of *Children’s Corner* used a female chorus to depict Sirens in the last movement of his *Nocturnes*. One of his works set to a poem by Stéphane Mallarmé opens with a solo flute playing a descending chromatic scale. For 10 points, name this French impressionist composer of *Prelude to the Afternoon of a Faun* and “Clair de lune.”

ANSWER: Achille-Claude Debussy <BM>

6. In a Shinto version of this event, the five Kotoamatsukami were present. In Norse mythology, this event was accomplished by three gods who took apart the body of their grandfather, the giant Ymir. In Chinese mythology, this event occurred upon the birth of an individual who spent 18,000 years in an egg, Pangu. Another one of these events sees Gaea emerge from a void of chaos and give birth to Uranus. One of these from Babylon is described in the Enuma Elis. In another version, God “hovered over the waters” before decreeing “let there be light.” For 10 points, name this event, which in Judaism and Christianity, is done by God over the course of six days.

ANSWER: **creation of the world** [accept logical equivalents] <AM>

7. Fanconi-Bickel syndrome is associated with the protein GLUT2 of this organ, responsible for most of its glucose export. In one pathway in this organ, glucose-1-phosphate is converted into UDPG, which is then used by a branching enzyme. Macrophages called Kupffer cells break down red blood cells in it, where Ito cells in its space of Disse store Vitamin A. Metformin, a diabetes drug, targets cells in this organ, which receives blood via a portal vein and can be the site of cirrhosis or hepatitis. The site of gluconeogenesis is, for 10 points, this four-lobed organ that detoxifies the blood and secretes bile.

ANSWER: **liver** <SH>

8. During this monarch’s reign, the Northern Accord among Russia, Prussia, Sweden, and Poland was created to counter French and Austrian influence. This monarch’s reign saw the crushing of the Bar Confederation. Victories at the Chesma, Iasi, and Ochakov led to favorable terms in the Treaty of Jassy that expanded this ruler’s empire. Assignment Rubles, the first paper currency within Russia, began circulating during her reign, which also saw the construction of namesake sham villages by Grigory Potemkin, an attempt to make the Crimea seem prosperous. For 10 points, name this German-born Russian empress.

ANSWER: **Catherine the Great** [or **Catherine II**; or **Yekaterina Alexeevna**]

9. Music videos by this band include one that tracks the cultivation and processing of tomatoes and another that features a double-necked bass guitar. An album by this band, later released with the subheading “Reconfigured,” features tracks such as “End of Line” and “Derezzed”. In a video by this band taken from the animated film Interstella 5555, four blue-skinned rock stars get their memories wiped. More recently, it released its fourth studio album, *Random Access Memories*. For 10 points, name this French house band known for wearing helmets during their performances, as well as hits like “Harder, Better, Faster, Stronger” and “Get Lucky”.

ANSWER: **Daft Punk** <BH/AT>

10. In a novel set in this city, Zachary Busner finds Audrey Death in an asylum, paralyzed by encephalitis lethargica. FutureMouse escapes into this city, the setting of *Umbrella* and *White Teeth*. The speaker of a poem hears “mind-forged manacles” among its “charter’d streets”. A body assumed to be John Harmon’s is found in its central river, where a locket and a ring are disposed of by Monks. Bill Sikes works with a gang operating in this city whose members include the Artful Dodger, Fagin, and for a time, Oliver Twist. For 10 points, name this city, a frequent setting of the works of Charles Dickens.

ANSWER: **London** <MZ>

11. One tale from this religion describes a pair of goat herders who both lose a goat, though one is a gambler and the other is studious. The central text of this religion begins with the line “the name that can be named is not the eternal name”. In this religion, a former administrator of heaven, Yuanshi Tianzun, is a member of the Three Pure Ones. This religion values the virtues of *jing*, *qi*, and *shen*, known collectively as the Three Treasures or Three Jewels. This religion reveres Immortal Woman He, who is the only woman among its Eight Immortals. It prizes natural action or *wu wei*. For 10 points, name this religion meaning “The Way,” based around a work by Lao Tzu.

ANSWER: **Daoism** [or **Taoism**] <AM>

12. This country’s Mar Chiquita is northeast of its second-largest city. Its capital city contains a planetarium named after Galileo and the 9th of July Avenue, which honors this country’s independence day. Its province of Corrientes is separated from the Chaco province by the Paraná River, and it is home to the Mapuche tribes, which inhabit its eastern *pampas* and Patagonia regions. The tallest mountain in this country as well as the entire Western and Southern Hemispheres, is Aconcagua. For 10 points, name this South American country claiming sovereignty over the Falkland Islands, with capital Buenos Aires.

ANSWER: **Argentina** [or **Argentine Republic**; or **Republica Argentina**] <ZP/RN>

13. One character in this novel seeks to make another “come apart at those neat little seams” and introduces himself as a “gambling fool”. The antagonist of this novel can control “fog”, and is suspected as part of “The Combine”. Characters in this novel vote to go on a fishing trip and to watch the World Series. At the conclusion of this novel, Billy’s suicide sparks an attack on Nurse Ratched, who then orders the lobotomy of a character ultimately smothered by Chief Bromden. For 10 points, name this novel about Randall McMurphy’s rebellion in a mental hospital in Oregon, by Ken Kesey.

ANSWER: **One Flew Over the Cuckoo’s Nest** <AB>

14. This man lost his Senate seat after his Seventh of March speech. His Plymouth Oration argued against the slave trade, and his Oration at Bunker Hill promoted Greek independence. This man tried to restrict Western land sales in his debates with a South Carolina Senator, Robert Hayne. He negotiated a treaty with Alexander Baring that ended the Aroostook War and set the northern boundary of Maine. This man supported the Compromise of 1850 and argued for Dartmouth College in 1816, winning against Woodward. For 10 points, name this cosigner of a treaty with the Duke of Ashburton, a Massachusetts Senator and colleague of John C. Calhoun and Henry Clay.

ANSWER: Daniel **Webster** <JL>

15. The acceleration of some Claisen rearrangements in emulsions of this substance was studied by Karl Barry Sharpless. The second stage of the Ostwald process is carried out with an absorption apparatus containing this byproduct. It can be removed from mixtures with magnesium or sodium sulfate, and alkali metals are extremely reactive with it. This compound, frequently used as a moderator for nuclear reactors, can contain a deuterium atom in its “heavy” variety. Along with carbon dioxide, it is produced in combustion reactions, and its triple point is used to define the Kelvin. For 10 points, name this compound with bent molecular geometry and formula H₂O.

ANSWER: **water** [accept **H₂O** or **dihydrogen monoxide** before mention] <AT>

16. A 1997 Fareed Zakaria essay in *Foreign Affairs* warns of the rise of illiberal types of this system. A ship whose sailors fight over its helm is Plato’s analogy for this system, whose inevitable spread was posited by a work intended as a study of a prison system. Its peace theory notes that mature ones rarely go to war with each other. Progressive education to support this system was advocated by John Dewey. Alexis de Tocqueville warned of soft despotism and tyranny of the majority in this system in his study of its representative form in America. Its direct form was implemented in Athens. For 10 points, name this system of collective political participation by the people.

ANSWER: **democracy** <MZ>

17. In this war, one man left the losing side’s capital by hot air balloon to become war minister at Tours; that man was Leon Gambetta. Jules Favre halted negotiations with the victors of this war until the Treaty of Frankfurt was signed. Italy annexed the Papal States during this war without opposition. A misinterpreted conversation between Vincent Benedetti and Wilhelm I on Spanish Succession was used to spark this war. After Napoleon III’s capture at this war’s Battle of Sedan, the Second French Empire collapsed. For 10 points, the Ems Dispatch sparked what war wherein the North German Confederation and its allies defeated France before becoming the German Empire?

ANSWER: **Franco-Prussian** War [or **Franco-German** War; or War of **1870**] <JL>

18. Artemisia Gentileschi’s painting of this type as an Allegory of Painting shows a woman at a diagonal painting one, and a Rembrandt painting of this type features a man “with Two Circles.” A desperate man clutches his long hair with both hands while he stares directly at the viewer in one by Gustave Courbet. *The Broken Column* is one by Frida Kahlo, whose other works of this type feature monkeys, hummingbirds, and a figure with a unibrow. Three of these types of works with a straw hat, a pipe, and a bandaged right ear were painted by Vincent van Gogh. For 10 points, name these artworks that feature the artist themselves.

ANSWER: **self-portraits** [prompt on **portraits**] <MZ>

19. Lummer and Kurlbaum modeled these objects as a cavity with a miniscule hole. A law derived by multiplying the Bose-Einstein distribution by the density of states gives these objects' peak energy as roughly 2.8 times the Boltzmann constant times temperature, in accord with Wien's law. A function of the frequency of these objects squared fails at low wavelengths in the ultraviolet catastrophe. That law, the Rayleigh-Jeans law, was improved by Planck. Their emissive power is proportional to temperature to the fourth power. For 10 points, name these theoretical bodies named for their ability to absorb and re-radiate all incident electromagnetic radiation.

ANSWER: blackbodies <SH>

20. One character in this novel visits the French psychic Landau on Countess Ivanova's advice. Another character in this novel is upset about the death of Frou-Frou after a horse race. This novel's protagonist visits Seryozha on his ninth birthday, and attends a play, where she is ignored by her friends. In this novel, Stiva Oblonsky is caught cheating on his wife Dolly. It opens with the line, "Happy families are all alike; every unhappy family is unhappy in its own way". For 10 points each, name this novel whose title character embarks on an affair with Count Vronsky and ultimately throws herself in front of a train, written by Leo Tolstoy.

ANSWER: Anna Karenina <PS>

TB. One participant in this event was motivated after reading *The Turner Diaries* during his US army service. Stephen Jones, a defense attorney, argued that a key participant was acting to defend himself from an imminent danger. A photograph of this event shows Chris Field carrying the infant Baylee Almon. Eighteen other children in a daycare died in this event. Its perpetrators claimed to seek revenge against the federal government for the killing of David Koresh and others in the Waco siege. For 10 points, name this terrorist attack on the Alfred P. Murrah Federal building by Terry Nichols and Timothy McVeigh.

ANSWER: Oklahoma City bombing <JL>

Round 03 – Bonuses

1. For 10 points each, name the following about jewelry in literature.

[10] In this short story by Guy de Maupassant, Madame Loisel works for years to repay a lost piece of borrowed jewelry, only to ironically discover that it was fake.

ANSWER: “The **Necklace**” [or “The Diamond **Necklace**”; or “La **Parure**”]

[10] Second Wife gives An-mei a pearl necklace that An-Mei crushes beneath her feet in this novel by Amy Tan. It centers on four women and their mahjong-playing mothers.

ANSWER: *The **Joy Luck Club***

[10] In this author’s collection of short stories about the Vietnam War, Mary Anne Belle upsets the dynamic of Jimmy Cross’s platoon after her sudden appearance wearing a necklace made of tongues.

ANSWER: Tim **O’Brien** <SoH>

2. Kill da wabbit, kill da wabbit! For 10 points, answer the following questions related to a certain piece of music.

[10] This excerpt from *The Ring of the Nibelung* opera cycle is particularly notable for its use of low brass in its main melody. It was popularized in the film *Apocalypse Now*.

ANSWER: “The **Ride of the Valkyries**” [or **Ritt der Walküren**]

[10] This German composer of *The Valkyrie* scored his namesake instrument in “The Ride of the Valkyries.” He also wrote the opera *Tannhäuser* and is noted for the prelude to his *Tristan und Isolde*.

ANSWER: Richard **Wagner**

[10] Wagner also wrote this opera about the son of Parzival, which is best known for its Bridal Chorus in Act III.

ANSWER: **Lohengrin** <BM>

3. Answer the following about infinite constructions for 10 points each.

[10] Name these types of continuous curves which pass through every point on the unit square. Examples include the Hilbert, Z-order, and Peano curves.

ANSWER: **space-filling** curves [prompt on but otherwise do not reveal **fractals**]

[10] Space-filling curves are special cases of these infinite self-similar constructions, which include the Mandelbrot set and Koch snowflake.

ANSWER: **fractals**

[10] The capacity and Hausdorff types of this value are unequal for fractals. Equal to two for non-degenerate surfaces of the form $a x + b y + c z = d$, this value can be defined as the number of vectors in a basis of a vector space.

ANSWER: **dimension** <BM>

4. Under Chief Justice John Marshall, the Supreme Court expanded the federal government’s responsibilities, changing the balance of power between state and federal government. For 10 points each:

[10] Name this 1803 court case in which Marshall granted the court the right to judicial review and found the Judiciary Act of 1790 to be unconstitutional.

ANSWER: **Marbury** v. *Madison* [accept in either order]

[10] In this 1819 case, Marshall ruled that Maryland could not tax unchartered branches of the Second Bank, expanding the “implied powers” doctrine and supremacy of the federal government over the states’.

ANSWER: **McCulloch** v. *Maryland* [accept in either order]

[10] This Article I, Section 10 clause prevents states from issuing Bills of Attainder and ex-post-facto laws. Marshall used it to rule that the Supreme Court had no authority to invalidate grants made by past state laws in *Fletcher v. Peck*.

ANSWER: **Contract** Clause <JL/RN>

5. He drew on Arthur Schoenberg's pan-atonality to distinguish melodic and symphonic composition. For 10 points each:

[10] Name this Russian-born Expressionist artist of *The Blue Rider* who painted numerous abstract *Compositions* and *Improvisations*.

ANSWER: Wassily **Kandinsky**

[10] Rejected in the Soviet Union for his spiritualist art, Kandinsky emigrated to this country, where he taught at Bauhaus at the invitation of Walter Gropius. Die Brücke was an earlier group of expressionist artists from here.

ANSWER: Federal Republic of **Germany** [accept Weimar **Germany**; or **German Empire**]

[10] Kandinsky fled to France after the Nazis closed Bauhaus and classified his work as this type. This type of art was destroyed after a contemptuous 1937 exhibition by Nazi Germany.

ANSWER: **degenerate** art [or **entartete kunst**] <MZ>

6. Answer the following about compounds of noble gases, for 10 points each.

[10] The first noble gas compound was synthesized by reacting this element with platinum hexafluoride. This element has atomic number 54 and symbol Xe, and can form compounds with oxygen and fluorine.

ANSWER: **xenon**

[10] The first discovered binary compound of a noble gas, xenon tetrafluoride, has this molecular geometry that has four ninety degree bond angles.

ANSWER: **square planar**

[10] Xenon difluoride can react with various metallic compounds to form these molecules that usually consist of a central metal ion bonded to surrounding ligands.

ANSWER: **coordination** complexes <SH>

7. One version is currently digitizing the *New York Times* archive and Google Books. For 10 points each:

[10] Name these challenge tests often consisting of a distorted image for the user to solve. They are intended to be OCR-resistant and determine whether or not a user is human.

ANSWER: **CAPTCHA** [accept re**CAPTCHA**; accept but otherwise don't reveal **Completely Automated Public Turing** tests to tell **Computers** and **Humans** **A**part; prompt on but otherwise don't reveal **Turing** tests]

[10] CAPTCHA is a specific type of this test, which challenges a machine's ability to emulate human intelligence. It originally took the form of a conversation with a human judge.

ANSWER: **Turing** test

[10] This programmer argued that computers like Babbage's Analytical Engine can never pass the Turing test or have minds, because computers are incapable of exceeding the originality of their programmers.

ANSWER: Ada **Lovelace** [or Augusta Ada **Byron**; or Augusta Ada **King**] <MZ>

8. Though its future prospects look bright, Ethiopia has had a history of unfortunate disasters. For 10 points each:

[10] This country invaded and occupied Ethiopia under the orders of Benito Mussolini, who authorized the use of banned chemical agents. It was defeated previously at the Battle of Adowa.

ANSWER: **Italy**

[10] This Emperor of Ethiopia was overthrown during the Italian occupation. Despite a moving address to the League of Nations, he was forced to remain in exile until the end of World War II.

ANSWER: **Haile Selassie I**

[10] This Communist party controlled Ethiopia from 1974 to 1987 under chairman Mengistu Haile Mariam. It overthrew Haile Selassie, but also saw a Somali invasion and Eritrean revolt.

ANSWER: **Derg** [or **Provisional Military Administrative Council**] <AM>

9. Susan Sontag staged a performance of this play during the siege of Sarajevo. For 10 points each:

[10] Identify this play in which Vladimir and Estragon meet Pozzo and Lucky while doing the title action.

ANSWER: **Waiting for Godot** [or **En attendant Godot**]

[10] *Murphy* and *Endgame* are plays that exemplify this Irish dramatist's obsession with chess. He wrote *Waiting for Godot* and *Krapp's Last Tape*.

ANSWER: Samuel **Beckett**

[10] The set for *Waiting for Godot* is a country road and this object, designed by Alberto Giacometti for the 1961 revival as a thin emaciated sculpture. By the end of the play, it is the only part of the set that evidences time passing.

ANSWER: **tree** <MZ>

10. The incompleteness of this understanding can result in an a-not-b error. For 10 points each:

[10] Name this concept, the continued existence of items that can no longer be seen or otherwise observed. The lack of it may be why some babies are startled by the game of peek-a-boo.

ANSWER: object permanence

[10] This psychologist first studied object permanence in infants, and believed it originated in the sensorimotor stage of his theory of cognitive development.

ANSWER: Jean Piaget

[10] The first stage of object permanence is named for the schema of these involuntary reactions. They include sucking and grasping, and Piaget suggested that they facilitate sensorimotor development.

ANSWER: primitive reflexes <SH>

11. For 10 points each, name these cathedrals of America's pastime: baseball stadiums.

[10] This stadium located in the Bronx, New York was dubbed "The House that Ruth Built" due to Babe Ruth's many impressive games played in it. It takes its name from its home team.

ANSWER: Yankee Stadium

[10] A signature red marquee marks the entrance to this ballpark, known for its ivy-covered brick outfield walls. This home of the Chicago Cubs is celebrating its 100th anniversary this year.

ANSWER: Wrigley Field

[10] This stadium in Baltimore is considered the first of the "retro" major league ballparks. One of its most famous features is the B&O train warehouse beyond the right field stands.

ANSWER: Oriole Park at Camden Yards [prompt on Oriole Park] <SB>

12. This novel ends with a description of Greta stretching her lithe and young body. For 10 points each:

[10] Name this novel in which Gregor Samsa wakes up to find himself transformed into a bug.

ANSWER: *The* Metamorphosis [or *Die Verwandlung*]

[10] This German expressionist author of *The Metamorphosis* and *The Trial* wrote about suffering as art and entertainment in "A Hunger Artist".

ANSWER: Franz Kafka

[10] This American postmodernist writer of *Brief Interviews with Hideous Men* explored Kafka's puns in "Laughing with Kafka". He also wrote the heavily-footnoted novel *Infinite Jest*.

ANSWER: David Foster Wallace <MZ>

13. He is the son of Lugh and Deichtine. For 10 points each:

[10] Name this Irish hero of the Ulster Cycle known for his berserker frenzy in battle. He was the sole defender in the Cattle Raid of Cooley.

ANSWER: Cúchulainn ("coo-HEL-en") [or Cuhillin; or Setanta]

[10] Cúchulainn earned his name by killing one of these animals belonging to a blacksmith, though he later died after eating the meat of one of these. Cerberus is a three-headed one of these animals.

ANSWER: dogs [or hounds; accept Canis lupus familiaris]

[10] This was Cúchulainn's barbed spear, given to him by the heroine Scathach. Cúchulainn killed his foster brother and best friend Ferdiad with this weapon.

ANSWER: Gae Bolg [or Gae Bulg; or Gae Bolga; or Gae Bulga] <PS>

14. This powerful merchant republic was ruled by doges. For 10 points each:

[10] Name this northern Italian merchant republic which diverted the Fourth Crusade to sack Constantinople. It was part of the Holy League that defeated the Ottomans at the Battle of the Lepanto.

ANSWER: Republic of Venice

[10] This Catholic polity led by the pope came into conflict with Venice over its claims to the province of Romagna. It dissolved into the Vatican City after it signed the Lateran Treaty with Italy.

ANSWER: Papal States [do not accept "Vatican City" or "Rome"]

[10] This conflict between the Republic of Venice and a league led by Pope Julius II involved most of the major powers in Europe attacking Venice, resulting in its surrender of Romagna and payment of reparations.

ANSWER: War of the League of Cambrai [do not accept "War of the Holy League"] <JL>

15. The kinetic energy of a rotating body is equal to one half times this quantity times angular velocity squared. For 10 points each:

[10] Name this rotational analogue of mass, symbolized I. For a thin rod rotating through an axis perpendicular to its length and through its center of mass, it is equal to one twelfth ml^2 .

ANSWER: moment of inertia

[10] The moment of inertia for a thin disk rotating through an axis perpendicular to the plane of the disk and through its center of mass is equal to its mass times its radius squared times this constant.

ANSWER: one-half [or 0.5]

[10] This theorem can be used to find a body's moment of inertia through an axis coplanar with the one through its center of mass given its mass, moment of inertia about its center of mass, and the distance between the axes.

ANSWER: parallel axis theorem [do not accept "perpendicular axis theorem"] <SH>

16. This work's first movement in 5/4 time repeats an ostinato in the bass to represent The Bringer of War. For 10 points each:

[10] Name this orchestral suite which portrays certain celestial bodies through their deities, such as Mercury, the Winged Messenger. The final movement, Neptune, ends with a fading female chorus.

ANSWER: *The Planets*

[10] *The Planets* is a work by this British composer who included a "Fantasia on the Dargason" final movement in his *Second Suite in F*.

ANSWER: Gustav Holst

[10] Holst also wrote this four-movement piece for string ensemble based on his work as the Director of Music at an all-girls school. Its first movement, "Jig," alternates between 6/8 and 9/8 time.

ANSWER: *St. Paul's Suite* <BM>

17. The Spanish really liked their navy; sadly, they usually didn't win. For 10 points each:

[10] Philip II sent this Spanish fleet to depose Elizabeth I, but it was defeated at the Battle of Gravelines by Francis Drake. Storms on the English coast and English fireships reduced this fleet to half its original size.

ANSWER: Spanish Armada [or Grande y Felicísima Armada; or Armada Invencible]

[10] This city's namesake galleons made trips to the New World to exchange gold for Ming goods. This city's bay was the site of a Spanish-American War battle in which George Dewey defeated the Spanish fleet.

ANSWER: Manila

[10] The largest Manila galleon was named after this "Santísima", or blessed island. Another ship named after this Caribbean island was the Spanish flagship at the Battle of Cape St. Vincent and Trafalgar before it was sunk.

ANSWER: Santísima Trinidad <DW>

18. Answer some questions about bits of the Jewish prayer service for 10 points each.

[10] This prayer, one kind of which is said by mourners, is used to split up sections of a prayer service. It needs 10 Jewish adults present to be said.

ANSWER: Kaddish

[10] This prayer, traditionally said twice a day, is a restatement of three passages from the Bible, starting with "Hear O Israel, the LORD is God, the LORD is one." Along with the Amidah, it is one of the central prayers in Judaism.

ANSWER: Shma

[10] The *Kol Nidre* prayer is said during this Jewish Day of Atonement, which occurs during the month of *Tishrei*.

ANSWER: Yom Kippur <MAG>

19. For 10 points each, identify the following related to animal communication.

[10] Communication is often facilitated by the secretion of these chemicals, which manifest as odors in humans. They can indicate alarm, sexual availability, or territory boundaries.

ANSWER: pheromones

[10] Certain animals use this figure-eight dance to communicate the location of food. The angle of this dance in relation to the sun translates to direction, while the magnitude relates to distance.

ANSWER: waggle dance

[10] The waggle dance is performed by these organisms. Karl von Frisch extensively studied their sensory perception and means of communication.

ANSWER: honeybees [or Apis; accept worker bees; do not accept "wasps" or "hornets"] <MZ>

20. Its speaker and the title gentleman pass by stages of human life and the setting sun. For 10 points each:

[10] Identify this poem whose title figure “kindly stopped” for the speaker.

ANSWER: “**Because I could not stop for Death**”

[10] This reclusive poet asked Thomas Higginson if her Verse was alive. She wrote “Because I could not stop for Death” and a series of letters to a mysterious “Master”.

ANSWER: Emily Elizabeth **Dickinson**

[10] In the final stanza of “Because I could not stop for Death”, the speaker says that she first surmised that the carriage was headed towards this destination.

ANSWER: **eternity** [exact phrase required] <MZ>

TB. Foul-bite is an artistically positive side effect of this process when acid leaks through the stencil to pit and burn the surface. For 10 points each:

[10] Name this process in which a strong acid cuts into the unprotected parts of a metal surface to create a design.

ANSWER: **etching**

[10] This Dutch painter and printmaker produced many etchings during his lifetime. The shooting company of Frans Banning Cocq is featured in his painting *The Night Watch*.

ANSWER: **Rembrandt van Rijn** [accept either underlined part]

[10] Another Rembrandt oil painting features this man wearing a golden robe and placing his hand on the bust of a poet, contemplating it.

ANSWER: **Aristotle** [accept **Aristotle Contemplating a Bust of Homer**] <AT>