## **Prison Bowl VII**

Questions written and edited by Hunter College High School (Alexandra Bradu, Sam Brochin, Swathi Chakrapani, David Godovich, Ada-Marie Gutierrez, Sarah Hamerling, Sophey Ho, Jonathan Lin, Daniel Ma, Brent Morden, Alex Moschetti, Tenzin Norzin, Priya Srikumar, Albert Tai, Douglas Wong, Karina Xie, Marianna Zhang, Tal Zussman), University at Buffalo (Matt Hill and Zach Pace), Matthew Gurevitch, and Rohan Nag.

## Round 15 (extra) – Tossups

1. This event is represented by Abram sacrificing his son in "The Parable of the Old Man and the Young." In a poem about this event, a boy who is tired of the "crumps and lice and lack of rum" commits suicide. That poem is by Siegfried Sassoon. In an unevenly structured poem describing this event, the speaker invokes blood as "obscene as cancer" and repeats the word "drowning". That speaker cries that the reader would not tell to "children ardent for some desperate glory" the title "old lie" about this event, "Dulce et Decorum est". For 10 points, name this period during which Wilfred Owen's "Anthem for a Doomed Youth" lamented "What passing-bells for these who die as cattle?".

ANSWER: World War I [prompt on war] <KX>

- 2. One form of this phenomenon involves tying cyclotron frequencies to degenerate Landau levels, and is performed on gallium arsenide interfaces, although it was recently discovered in room-temperature graphene. A class of low-impulse spacecraft ion thrusters are based on and named for this phenomenon. A filling factor for a type of this phenomenon multiplies a standardized resistance. That factor was found to take on rational values, which earned Klaus von Klitzing the Nobel Prize. The inverse of the carrier density is proportional to this effect's namesake coefficient. For 10 points, name this physical effect, the voltage difference across a conductor in a magnetic field. ANSWER: Hall effect [accept spin Hall effect; accept quantum Hall effect after "cyclotron"]
- 3. This painting's artist also depicted its central figure in an oil sketch drinking a toast. Single white wisps of paint suggest jewelry, and a table in this painting has a smooth surface but gargoyles intricately carved on its legs, which end in lion paws. After it was unveiled the artist painted over a shoulder strap to raise it and make it look more secure. The central figure has an unnaturally narrow waistline, and the line of her arm continues into the table she rests her hand on. For 10 points, name this painting of socialite Virginie Gautreau wearing a plunging black dress that compliments her pale complexion while she looks to the left, a painting by John Singer Sargent. ANSWER: *Portrait of Madame X* <AT>
- 4. One part of this agreement enacted the provisions endorsed in Security Council Resolution 242 even though it was condemned for not following self-determination. One provision of this agreement saw the guarantee of right of passage through the Straits of Tiran and the return of the Sinai Peninsula. Its two main signatories received the 1978 Nobel Peace Prize for reaching this agreement, which later led to Anwar Sadat's assassination. For 10 points, name this agreement between Israel and Egypt, overseen by Jimmy Carter at a namesake presidential retreat. ANSWER: Camp David Accords <JL>
- 5. Though it is not chlorine, one compound with element is used in a reaction that couples ketone or aldehyde groups into alkenes, the McMurry reaction. One mineral containing it, rutile, is responsible for asterisms in gems. Its namesake sponge is purified by leaching in the Kroll process, which replaced the Hunter process. This element's nitride is notable for its hardness equivalent to sapphire and is used to coat drill bits, and its dioxide is used as an intensely white pigment. For 10 points, name this transition metal frequently used in aerospace technology because of its light yet durable nature, with atomic number 22 and symbol Ti.

ANSWER: **titanium** [accept **Ti** before mention] <AT>

6. Coalhouse Walker threatens to blow up the Morgan Library to demand the restoration of one of these objects in E.L. Doctorow's *Ragtime*. Dude only considers marrying Bessie to obtain one in *Tobacco Road*, and it is the setting of much of *Cosmopolis*. During Christmas, Dean Moriarty shows up at Sal's brother's house to surprise Sal with one of these. Linda, Biff, and Happy worry about Willy's frequent smashing of this object. George Wilson repairs these, which are swapped by Tom Buchanan and Jay Gatsby. Myrtle is killed by Daisy, who is operating Gatsby's yellow one. For 10 points, name these vehicles featured in *On the Road*.

ANSWER: automobiles [or cars] <MZ>

7. The Bukwu, being the undead manifestation of drowned souls, is thought to be distinct from these creatures. Ray Wallace linked them to an incident at a logging camp, and one possibly-related story concerns them using underground caverns under Mt. Shasta. In that story of the Wintu, they are called *shupchets*. Robert Pyle argues the need for a figure such as them in mythology, one of which the Patterson-Gimlin film purports to show glancing over its right shoulder. Thought by some to be a relict *Paranthropus* or *Gigantopithecus*, for 10 points, name this cryptid indigenous to the Pacific Northwest, a hairy, bipedal humanoid.

ANSWER: **bigfoot** [accept **Sasquatch**]

8. In an essay on play and theory, Federico Garcia Lorca pointed to this form of art as embodying irrationality, earthiness, and a heightened awareness of death. That authenticity of expression is *duende*. Hand claps, finger snaps, and *taconeo*, or heel stamps, are all used to keep *compas*, the rhythm of this dance. It's not traditional, but certain styles of this dance utilize a pair of clicking chestnut shells called castanets, and female dancers bun their hair and wear shawls over ankle-length ruffled red dresses. Shoes for this dance are embedded with nails to sharpen the sound of toe- and heel-clicking. For 10 points, name this Spanish dance from the Roma that involves circular twists of the wrists.

ANSWER: **flamenco** [prompt on **dance** before "rhythm of this dance"] <MZ>

9. Following this event, Ronald Ridenhour wrote letters to Congressmen asking them to investigate the "Pinkville incident." Colin Powell received a letter regarding this event and others like it but he claimed that the writer exaggerated in both scope and quantity. Hugh Thompson helped end this event, earning him the Distinguished Flying Cross. William Calley was the only participant convicted following this event, and his prison sentence was commuted to two years of house arrest. For 10 points, name this Vietnam War event in which American soldiers massacred inhabitants of a certain hamlet.

ANSWER: My Lai Massacre [or Son My Massacre] <JL>

10. The process of ritual possession is called "mounting" in this religion. The sky god in this religion, Damballah, is a member of the Rada family. Newcomers in this religion may be initiated with kanzo rites. Its temples, called hounfours, house priests that may be called either houngans or mambos, depending on their gender. Practitioners believe in a supreme god called Bondye, with whom they can communicate through loas such as Papa Legba and Baron Samedi. For 10 points, name this syncretic religion that is most commonly practiced in Haiti, often associated with zombies and its namesake dolls.

ANSWER: <u>Vodou</u> [or <u>Voodoo</u>; or <u>Vodun</u>; or <u>Vodoun</u>] <PS>

11. One of this composer's works contains ascending E-flat major triads in its first movement to depict the hero. In addition to an elegy for 23 strings called *Metamorphosen*, this composer used a wind machine to depict a storm in *An Alpine Symphony*. He depicted a mischievous character on the French horn and D clarinet in his *Till Eulenspiegels Merry Pranks* while one of his operas includes a fast-paced "Dance of the Seven Veils." This composer also introduced a famous ascending C-G-C motif in the "Sunrise" movement of one of his tone poems. For 10 points, name this German composer of the opera *Salome* and the tone poem *Also sprach Zarathustra*. ANSWER: Richard Strauss [prompt on Strauss] <BM>

12. A 1968 riot in this city saw thousands of people march upon the Palácio Tiradentes. Márcio Moreira Alves' speech caused a dictatorship to close the Chamber of Deputies in this city. *France Antarctique* contained its predecessor, and this city saw an 1889 coup by Marshal Deodoro da Fonseca. This location was, in 1808, the only European capital outside of Europe, due to the conquests of Napoleon. This place was first ruled by a son of John VI, who delivered the Cry of Ipiranga. In the *Zona Sul* of this town, the suburbs of Ipanema and Copacabana are overlooked by a 1931 statue of Christ the Redeemer. For 10 points, name this city, which until 1960 was the capital of republican Brazil.

ANSWER: Rio de Janeiro <AM/RN>

13. Frank and Helen were the first rulers of this region, which is linked to other worlds such as Charn through a series of puddles in the Wood between the Worlds. This region is home to a sacrificial stone table that becomes cracked due to reversal of the Deep Magic and the Lamp-post, near which the faun Mr. Tumnus lives. Caspian X sails the eastern seas in the *Dawn Treader* in this realm, which plunged into an endless winter by Jadis the White Witch. For 10 points, name this fictional country created by Aslan that can be accessed through a wardrobe, created by C.S. Lewis.

ANSWER: Narnia [do not accept "The Chronicles of Narnia" or individual book names] <DG/BS/AT>

14. Food is transported through these organisms by means of the leptome, which consists of cells surrounded by water-conducting hydroid cells. The largest organism of this type is the *Dawsonia superba* which can grow to 20 inches tall, unusual for these organisms because they only grow when hydrated. They aren't ferns, but these organisms rely on spores rather than flowers to reproduce. They are classified, along with liverworts and hornworts, into a division of plants that lack vascular systems. For 10 points, name these small plants which often grow in clumps on tree bark and rocks and are classified as bryophytes.

ANSWER: mosses <BM>

15. This poet described exchanging "polite meaningless words" with soldiers, and he notes that "whenever green is worn, a terrible beauty is born". The speaker of one of his poems believes not in "singing school but studying Monuments of its own magnificence," concluding that there is "no country for old men". This author of "Easter, 1916" invoked the "mere anarchy" soon to be "loosed upon the world" in a poem about a "rough beast" emerging from Spiritus Mundi, "slouch[ing] towards Bethlehem to be born". For 10 points, name this Anglo-Irish poet of "Sailing to Byzantium" and "The Second Coming".

ANSWER: William Butler **Yeats** <KX>

16. Subranges of this mountain system include the Albula, the Bernina and the Jura. Passes through this mountain range include the Brenner and Great St. Bernard. A rail tunnel under this mountain range is slated to be completed in 2016 and will become the longest rail tunnel in the world. Ski resorts in this mountain range include Courmayeur, Innsbruck and Chamonix, which hosted the first Winter Olympic Games and is on this range's highest peak, Mont Blanc. For 10 points, name this major European mountain range in the southern portion of central Europe, which contains Matterhorn.

ANSWER: the Alps < DM/SB/DG>

17. This action occurred at tumuli, and in some Paleolithic civilizations, people were painted with red ochre before its occurrence. Mingqi often accompany this action that occurred in barrows. The opening of the mouth preceded it in Ancient Egypt, and in Judaism, stones are placed on its markers one year after this event. In Ancient Greece, a coin was placed under the tongue before this action as payment to Charon. In Judaism, it cannot occur in metal-containing vessels, and in Egypt the containers were frequently adorned with a mask. Germanic peoples used a burning boat to perform this action often occurring after funerals. For 10 points, name this ritual interment of the dead.

ANSWER: <u>burial</u> [accept <u>interment</u> before mention; prompt on "funeral"] <SH>

18. The first phase of these policies was an increase in the price of vodka and in the legal drinking age to 21. In response to the implementation of these policies, a resolution was issued demanding an emergency Party Congress by the Union for Leninism and Communist Ideals. Acceleration, or *uskorenie*, was initially grouped with these policies, which contributed to the collapse of the Soviet Union as nationalist movements grew and citizens saw the higher quality of life in the West. For 10 points, name this pair of Soviet policies which called for greater transparency and economic reforms, advocated for by Gorbachev.

ANSWER: <u>Perestroika</u> and <u>Glasnost</u> [prompt on <u>publicity</u>, <u>openness</u> and <u>restructuring</u>] <JL>

19. One body orbiting this planet shines with a magnitude similar to that of Venus from Earth. That object, the reddest object in the Solar System, is this planet's moon Amalthea. The masses of exoplanets and brown dwarfs are often given in relation to the mass of this planet, whose L4 and L5 Lagrangian points are occupied by Trojan asteroids. This planet has the fastest period of rotation, and images taken by the Voyager 1 probe demonstrated extreme volcanic activity on Io, one of its Galilean Moons. Containing a Great Red Spot, for 10 points, name this 5th planet from the Sun, the largest planet in the Solar System.

ANSWER: **Jupiter** <AT>

20. A very early text from this country concerns a government functionary who flees to Israel after hearing of a murder plot against the king. A later text tells of a brother, Bata, who is rewarded with a wife made out of clay by the god Khnum, although that wife later betrays him. An author from this country wrote a novel about a man who smokes hashish to forget his government's hypocrisy. That man also wrote of Kamal, the son of Al-Sayyid Ahmad Abd al-Jawad, in a series that included *Palace Walk*, *Palace of Desire*, and *Sugar Street*. For 10 points, name this country, the setting of Naguib Mahfouz's *Cairo Trilogy*.

ANSWER: **Egypt** <ZP>

## Round 15 (extra) - Bonuses

- 1. The defeat of this location's defenders by the 10th Legion precipitated a mass suicide, which only two women and five children survived. For 10 points each:
- [10] Name this ancient fortress on a plateau in Israel's southern district, which was besieged during the first Jewish-Roman War. Nine hundred and sixty Zealots died here.

ANSWER: Masada [or Metzada]

[10] Masada overlooks the southern end of this extremely salty body of water that is now two bodies of water due to irrigation and industry. Its northern and southern portions are divided by the Lisan Peninsula.

ANSWER: Dead Sea [or al-Bahr al-Mayyit; or Yam HaMelah; or Yam HaMawet; prompt on Sea of Salt]

[10] Masada was originally built by this Roman puppet monarch in Judea. He expanded the second temple, and his son Antipas assumed his power over Galilee.

ANSWER: **Herod** the **Great** [or **Herod** I] <ZP>

- 2. In one of these works, a chorus of Janissaries sings "to the mighty Pasha Selim." For 10 points, name some operas by Wolfgang Amadeus Mozart.
- [10] This aforementioned work is a Singspiel opera about the hero Belmonte's efforts to rescue Konstanze from the Pasha Selim. In this opera Konstanze famously sings a "Martern aller Arten" or "Tortures of all kinds" aria.

ANSWER: The Abduction from the Seraglio [or Die Entführung aus dem Serail; or Il Seraglio]

[10] In this final opera by Mozart, the Queen of the Night reaches a high F6 in the aria "Hell's vengeance boils in my heart." Tamino is aided by Papagena and the title instrument to find the Queen's daughter Pamina.

ANSWER: The Magic Flute [accept Die Zauberflöte]

[10] This opera by Mozart sees the title seducer dragged to hell by a stone statue of the Commendatore. It includes a "Catalogue" aria sung by the title character's servant Leporello.

ANSWER: Il dissolute punito, ossia il **Don Giovanni** <BM>

3. This genus of bacteria includes the model *subtilis* species, as well as one that causes anthrax. For 10 points each: [10] This name of this genus of Gram-positive bacteria can also be used to describe any rod-shaped bacteria. When prefixed by "lacto," it names a genus of bacteria found in yogurt that produce lactic acid from sugar.

ANSWER: bacillus

[10] Members of the genus *Bacillus* can produce these durable, non-cystic structures under harsh conditions in order to lay dormant. They are resistant to extreme temperature and ultraviolet radiation.

ANSWER: endospores [do not accept or prompt on "spore"]

- [10] Endospores are produced by a species in genus *Clostridium* that causes this disease characterized by muscle spasms. It can manifest as lockjaw, and a booster vaccine for this disease is often given after a puncture wound. ANSWER: **tetanus** <SH>
- 4. Following the Fall of France in 1940 and the signing of the armistice, former French officials helped set up this collaborative government. For 10 points each:
- [10] Name this government that collaborated with the Nazis. It had administrative control over Southern France until Operation Anton in 1942.

ANSWER: <u>Vichy</u> France [accept <u>French State</u>; or <u>L'etat francais</u>]

[10] This French field marshal and victor at the Battle of Verdun led the Vichy government. He was given a death sentence at the end of World War II but De Gaulle pardoned his former mentor.

ANSWER: Philippe **Petain** 

[10] This Vichy French militia led by Pierre Laval and Joseph Darnand fought against the French Resistance and deported Jews during the war.

ANSWER: Milice Francais <JL>

- 5. The world contains many beautiful, inspirational places. For 10 points each, name some composers who wrote music based on specific locations.
- [10] This American composer used cluster chords in movement "Putnam's Camp, Redding, Connecticut" in his *Three Places in New England*. He also included *The Unanswered Question* in his *Two Contemplations*.

ANSWER: Charles Ives

[10] This Italian composer wrote a triumphant "Pines of the Appian Way" in his *Pines of Rome*, which he included in a trilogy along with *Roman Festivals* and *Fountains of Rome*. His suite *The Birds* is based on Baroque composers.

ANSWER: Ottorino Respighi

[10] A sweeping flute melody opens "The Moldau" from this composer's series of tone poems about his home country, *Ma vlast*. He also wrote the comic opera *The Bartered Bride*.

ANSWER: Bedřich Smetana < BM>

6. For 10 points each, name some trickster gods.

[10] This Norse trickster god took a joke too far when he convinced the blind Hödr to throw a lethal dart of mistletoe at Baldr. He is eventually tied to a rock underneath a venom-dripping serpent for his actions.

ANSWER: Loki

[10] In many Native American cultures, this animal was a trickster spirit. In some stories, this animal was the moon for a brief period of time, but lost the position, and now howls at the moon at night.

ANSWER: Coyote

[10] This 8-legged African figure captured several individuals through trickery and gave them to Nyame the sky god in exchange for becoming the god of stories.

ANSWER: Anansi <AM>

- 7. At one point in this story, the main character cleans lentils out of the ashes with help from two white doves sent from Heaven. For 10 points each:
- [10] Name this fairy tale in which the title character loses a slipper after dancing with the prince at a ball. Eventually the prince goes around town to find the owner of the slipper and the two marry after he discovers who she is.

ANSWER: "Cinderella" [or "Aschenputtel"]

[10] "Cinderella" is one of the many tales collected by this German duo, whose other collected works include "Rapunzel" and "Snow White."

ANSWER: The **Brothers Grimm** [both parts required]

[10] In this other Grimm fairy tale, several brothers are turned into the title birds by their evil stepmother. Their sister makes them shirts which return them to their human form at the end.

ANSWER: "The Six Swans" <BM>

- 8. Many artist's compositions were inspired by the *Venus of Urbino*. For 10 points each, identify some things related to said works:
- [10] The *Venus of Urbino* was by this artist, who depicted the goddess indoors and without any of her classical attributes, signifying domestication.

ANSWER: **Titian** [accept Tiziano **Vecelli**o]

[10] The *Venus of Urbino* inspired this Manet painting, in which the title figure who wears only a black ribbon around her neck gazes confrontationally at the viewer, while her black maid carrying a bouquet waits beside her. ANSWER: *Olympia* 

[10] Titian's work influenced this Ingres painting depicting a concubine, where the subject holds a fan made of peacock feathers and her back faces the viewer. She is thought to be drawn with "two or three vertebrae too many." ANSWER: *Le Grande Odalisque* <AT>

- 9. For 10 points each, answer these questions about people who have appeared on the biweekly YouTube show *TableTop*.
- [10] *TableTop* is hosted by this actor and geek icon, whose performance in *Star Trek: The Next Generation* as Wesley Crusher can best be described as controversial.

ANSWER: Wil Wheaton

[10] TV writer Jane Espenson guest starred on the first episode of TableTop. Espenson is probably best known for writing such episodes as "Band Candy" and "Conversations With Dead People" for this long-running TV series.

ANSWER: **Buffy** the Vampire Slayer

- [10] This film director and TV producer is responsible for *Buffy*, as well as its spinoff, *Angel*. He also directed *The Avengers*, the hilarious horror film *Cabin in the Woods*, and the internet short film *Dr Horrible's Sing-Along Blog*. ANSWER: Joss **Whedon**
- 10. Sigma bonds are formed from overlapping orbitals displaying this phenomenon. For 10 points each:
- [10] Name this term that describes the mixing of different types of electron orbitals into new shapes for bonding.

**ANSWER:** hybridization

[10] Hybrid orbitals are needed to accommodate the electron pair geometry predicted by this theory. It states that electron pairs arrange themselves to maximize bond angles.

ANSWER: <u>VSEPR</u> ("vesper") theory [or <u>Valence Shell Electron Pair Repulsion</u> theory]

[10] The trigonal bipyramidal geometry of phosphorus pentachloride requires five of these hybridized orbitals to share electrons with each chlorine atom's sp3 orbital in order to create five phosphorus-chlorine sigma bonds.

ANSWER:  $\underline{\mathbf{sp3d}}$  or  $\underline{\mathbf{dsp3}}$  <AT>

- 11. Answer these questions about Roman prose authors, for 10 points each.
- [10] This man delivered orations against Verres, the corrupt Sicilian governor, and condemned Marcus Antonius in his *Philippics*. He unmasked the Second Catilinarian Conspiracy.

ANSWER: Marcus Tullius Cicero

[10] This Roman historian catalogued the Catilinarian Conspiracy in *Catiline's War*, and documented the Jugurthine War in a volume of the same name.

ANSWER: Gaius Sallustius Crispus

[10] In addition to his accounts of the Gallic and Civil Wars, this man composed a large number of lost funeral orations, including one for his aunt, Julia, before becoming dictator and adopting Augustus.

ANSWER: Gaius Julius Caesar <ZP>

- 12. According to Dmitri Karamazov, if this is true, then everything is permitted. For 10 points each:
- [10] According to the Madman in *The Gay Science*, we are responsible for this statement's occurrence, and live on the central figure as a moral source. Because of this, churches are now "tombs and sepulchers".

ANSWER: "God is dead" [or "Gott ist tot"; or bez boga]

[10] "God is dead" is a quote of this German philosopher, who wrote that *ressentiment* characterizes slave morality. He wrote *Thus Spoke Zarathustra* and *Beyond Good and Evil*.

ANSWER: Friedrich Wilhelm Nietzsche

[10] This figure conceived by Nietzsche in *Thus Spoke Zarathustra* represents a new mode of existence that transcends traditional morality and establishes new values after the death of God.

ANSWER: *Ubermensch* [or overman; reluctantly accept superman] <MZ>

- 13. On July 4, 2012 CERN announced that it had discovered this particle, with its mass of 126 gigaelectronvolts. For 10 points each,
- [10] Name this so-called "God particle" which mediates its eponymous field and is responsible for giving matter in the universe some of its mass.

ANSWER: **Higgs boson** [prompt on **Higgs** particle]

[10] The Higgs boson is an integral part of this theory of particle physics which details the interactions between elementary particles. It includes divisions such as quarks, leptons, and gauge bosons.

**ANSWER: Standard Model** 

[10] These subatomic particles which interact through the strong force are comprised of a quark and an antiquark. Examples include pions and kaons.

ANSWER: mesons <BM>

- 14. Samuel Taylor Coleridge gave a series of lectures on this writer, whose works were annotated by Samuel Johnson. For 10 points each:
- [10] Name this English playwright whose early works, such as *Cymbeline* and *Titus Andronicus*, were first published individually in quartos, and collected posthumously in the First Folio.

ANSWER: William Shakespeare

[10] T.S. Eliot complained that this Shakespeare play lacks an objective correlative, and that the title Prince of Denmark's madness and delay in exacting revenge on Claudius are left unexplained.

ANSWER: **Hamlet** 

[10] This English writer explained the eerieness of a sound in *Macbeth* as a return to everyday life in "On the Knocking at the Gate in Macbeth". He wrote about the wonders of drug use in *Confessions of an English Opium-Eater*.

ANSWER: Thomas de Quincey <MZ>

- 15. The destruction of this ship fanned anti-Spanish sentiment in the United States. For 10 points each:
- [10] Name this battleship which blew up in Havana Harbour in the lead up to the Spanish-American War.

ANSWER: USS Maine

- [10] Hearst's and Pulitzer's *New York Journal* and the *New York World* engaged in this practice, exaggerating and distorting the truth to increase readership. Those magazines blamed the *Maine*'s explosion on Spain, leading to war. ANSWER: **Yellow** Journalism [or **Yellow** Press]
- [10] This Board investigated the sinking of the *Maine* in 1898. It came to the conclusion that a mine had caused ammunition detonation but was unable to conclusively determine Spanish or Cuban involvement.

ANSWER: Sampson Board of Inquiry <JL/RN>

- 16. What's the probability that you thirty this bonus? For 10 points each:
- [10] If two events A and B have this relation with respect to one another, the probability of both A and B occurring is the probability of A times the probability of B because the outcome of one event does not affect the other.

ANSWER: independent [accept word forms]

- [10] This type of probability concerns the likelihood of an event happening given the occurrence of another, generally non-independent event. In formal logic, this term refers to statements of the form "if x, then y." ANSWER: **conditional** probability
- [10] Conditional probability is applied in this rule named for a British mathematician, which gives the probability of event A given event B as the probability of B given A times the probability of B divided by the probability of A. ANSWER: **Bayes' theorem** [accept word forms like **Bayes' law**] <BM>
- 17. Its protagonist is aided by Mrs. Whatsit, Mrs. Which, and Mrs. Who. For 10 points each:
- [10] Name this book where Meg Murry and her brother Charles Wallace travel to the planet Camazotz with Calvin O'Keefe to save Meg's father.

ANSWER: A Wrinkle in Time

[10] A Wrinkle in Time and A Swiftly Tilting Planet comprise the Time Quintet of this author, who brought the problem of evil to children's science fiction.

ANSWER: Madeleine L'Engle

[10] Meg must free Charles Wallace's mind from the control of this entity, described in the book as a huge brain. She eventually succeeds by using the power of her love, which this entity does not have.

ANSWER: IT [prompt on the Black Thing] <PS>

- 18. The spread of Renaissance ideals and the emergence of a more educated Europe precipitated this event. For 10 points each:
- [10] Name this event started as an attempt to reform the Catholic Church in 1517 with some *Theses*. It ended with the creation of Lutheranism.

## ANSWER: **Protestant Reformation** [prompt on **reformation**]

[10] This Renaissance movement rejected scholasticism and embraced rationalism and empiricism. Its teachings centered around grammar, rhetoric, history, and philosophy, which were thought would prepare people for civil life.

ANSWER: **Humanist** movement [or **Humanism**]

[10] This Humanist wrote *The Handbook of a Christian Knight*. Martin Luther hated his moderate religiosity, and he is best known for *The Praise of Folly*.

ANSWER: Desiderius Erasmus < JL/RN>

- 19. Imagine you're an Irish immigrant to America, and answer some questions about your journey. For 10 points each:
- [10] If you were from the South of Ireland, then you'd probably depart on a boat from this port city in a county of the same name. This city is built on marshes on the Lee River.

ANSWER: Cork

[10] You'd probably change ships in Liverpool, Lancashire, where you'd join Irish and native Scottish Protestants coming in from this capital of Northern Ireland.

ANSWER: Belfast

[10] You'd likely arrive at this facility in Upper New York Bay, which was incorporated into the Statue of Liberty National Monument in the 1960s. This immigration station was the "gateway to the United States".

ANSWER: Ellis Island < ZP/RN>

- 20. Research has indicated that this figurative object does not exist for African-American men. For 10 points each: [10] Name this term that describes the barrier women and minorities face that prevents them from reaching the
- upper levels of a corporation.

ANSWER: glass ceiling

[10] One explanation for the glass ceiling is this threat, when stress about confirming negative assumptions about one's group leads to poor performance and the confirmation of those very assumptions.

ANSWER: **stereotype** threat

[10] Stereotype threats are these inescapable prophecies coined by Robert Merton. An example of these prophecies is when telling a woman that women perform a job worse than men makes her feel anxious and do poorly.

ANSWER: self-fulfilling prophecies <PS>