

## 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 01 – Tossups

1. The majority opinion for this case overruled a key distinction set by Frankfurter in *Wolf v. Colorado*, and expanded upon the ruling in *Weeks v. US* by applying a doctrine established in *Silverthorne Lumber v. US*. Harlan, Frankfurter, and Whittaker dissented from Clark's majority opinion in this case, which was instigated by after local police attempted to follow up a tip that the defendant was housing a bombing suspect. The holding in this case established that the exclusionary rule applied to the states via the 14th Amendment. For 10 points, identify this case that effectively "nationalized" the 4th Amendment and overturned a conviction for possessing obscene materials.

ANSWER: *Dollree Mapp v. Ohio* <ZZ>

2. One type of these objects, abbreviated "C/O", propagates a density wave and a Rayleigh-Taylor unstable fireball after accreting matter from a mass-transferring secondary star. These objects undergo carbon detonation and have DB, DA and carbon-oxygen varieties. The electron degeneracy pressure will fail to prevent the gravitational collapse of one of these objects after it exceeds about 1.44 solar masses, the Chandrasekhar limit. The closest example of one of these is Sirius B, and these stars, formed from the cores of red giants, cannot undergo nuclear fusion. For 10 points, name these dense stellar remnants contrasted with similarly small "brown" and "red" stars.

ANSWER: white dwarf [do not accept "dwarf star"] <SH>

3. The Panj Piare were adherents of this faith whose baptism is celebrated in Baisakhi. The symbol Ik Onkar is found on this religion's scriptures. Its term for God includes the loan word "wahi" and means "Wonderful Teacher." All females in this religion are given the last name Kaur, and it has no priestly class. This religion's Golden Temple is located in Amritsar, its holiest city, and its primary text is the Adi Granth. Upon joining the Khalsa, one must carry a kirpan, or dagger, one of the five Ks. Its followers are prohibited from cutting hair. For 10 points, name this religion, founded by Guru Nanak and centered in Punjab.

ANSWER: Sikhism <PS>

4. A critical event in this work occurs when a bike crash causes the protagonist's large forehead to match up with Sonny's forcep-hollows. One character in this novel glimpses his wife through a perforated sheet; their daughter forces herself to love her husband part-by-part, and their daughter in turn sings through another perforated sheet for modesty. Aadam is the son of Parvati-the-witch and the antagonist of this novel, who was switched with the telepathic protagonist at birth, thus fulfilling a prophecy of "knees and a nose". For 10 points, name this novel featuring Shiva, Saleem Sinai, and others born with magical powers during the partition of India, written by Salman Rushdie.

ANSWER: Midnight's Children <MZ>

5. One of his symphonies refers to his song "O Death" through a series of descending thirds. His opus 24 was praised for using uniquely non-Baroque-styled syncopations, and he also composed a series of 21 folk tunes for piano with four hands before rearranging them for solo piano. This composer of *Variations and Fugue on a Theme by Handel* set scripture to music in his native language instead of Latin in his *A German Requiem*, and composed an overture after receiving a degree from the University of Breslau. For 10 points, name this German composer of the *Hungarian Dances*, the *Academic Festival Overture*, and a famous Lullaby.

ANSWER: Johannes Brahms <WH>

6. A clone of this man, Kaine, used one of this man's abilities to burn his mark, a handprint, into his victim's faces, and later succeeded the "scarlet" superhero Ben Reilly. One of this man's girlfriends asked Doctor Strange to modify her powers, given to her by the Kingpin; that girlfriend was the Black Cat. During the Civil War, this man switched sides from Tony Stark's S.H.I.E.L.D. to the Captain's Secret Avengers. This superhero agrees to forget his marriage with Mary Jane in order to save his Aunt May's life, while his first girlfriend was accidentally killed when the Green Goblin kidnapped her. For 10 points, name this superhero, an arachnid-themed web-slinger, who is told by Uncle Ben that "with great power comes great responsibility."

ANSWER: Spider-Man [or Peter Parker] <WD>

7. One member of this party described it as an "organized hypocrisy" after politicians like the Haddington and Derby were chosen instead of him for the 1841 cabinet. A later prime minister from this party who resigned in 1974 after taking his country into the European Economic Community was Edward Heath, while another PM from this party declared that "the Soviets are bent on world dominance". In 2010, members of this party, including Home Secretary Theresa May and George Osborne, agreed to form a coalition with the Liberal Democrats to gain the position of Prime Minister. For 10 points, name this major political party of the United Kingdom currently led by David Cameron.

ANSWER: Conservative and Unionist Party [or Tory] <WR>

8. This character sees her distorted reflection in a suit of armor at Bellingham's house, and reluctantly accepted sedatives earlier for fear of poison. She is repeatedly accosted by a follower of the Black Man, Mistress Hibbins. Sunlight seems to disappear before her in one scene, and she ultimately lives alone in a hut. At the opening of the novel in which she appears, this character emerges from a prison door with her daughter and stands on a scaffold, where she is spotted by her long-gone husband, Roger Chillingworth. For 10 points, name this woman who conceived Pearl with Arthur Dimmesdale and is forced to wear a scarlet A in a novel by Nathaniel Hawthorne.

ANSWER: Hester Prynne <MZ/AM/WH>

9. In Euler's buckling formula, the critical buckling load is equal to this number squared times Young's modulus times area moment of inertia over length squared. Coulomb's constant equals the reciprocal of 4 times this value times the permittivity of free space. The reduced Planck constant, defined as Planck's constant divided by two times this quantity, is useful when dealing with radians, because two times this quantity of radians measures the angle of a full circle. It is equal to a circle's circumference divided by its diameter. For 10 points, name this mathematical constant which is represented to three significant figures as 3.14.

ANSWER:  $\pi$  (pi) <WR>

10. The Atkinson-Shiffrin model for this concept differs from the levels-of-processing model, and it was studied using 2300 CVC trigrams by Ebbinghaus. The parallel distributed processing model for this suggests that a new one of these changes all the past ones, and chunking is a method for this that allows people to maintain more than "seven plus or minus two mental" objects. Tests on the patient Henry Molaison demonstrated that its explicit variety was limited but damage to the hippocampus did not affect its working type or motor learning. For 10 points, name this capacity to store and retrieve past sensations and information.

ANSWER: memory <WH>

11. In this work, the protagonist dances until four in the morning while her husband and his friends are asleep by midnight. At its opening, this work states that women have no caste or class after describing the protagonist's marriage to a clerk in the Ministry of Education. The protagonist of this work rejects a Venetian cross after buying a dress worth four hundred francs. Instead, the protagonist chooses the title object to borrow from Madame Forestier, but loses it at a fancy ball. For 10 points, name this short story in which Mathilde replaces the title piece of jewelry only to find that it was an imitation, written by Guy de Maupassant.

ANSWER: "The Necklace" [or "The Diamond Necklace"; or "La Parure"] <JL/MZ>

12. The Byrd Amendment loosened the US embargo of this country to allow the importation of chromium. One leader of this country dismissed Peter Walls from his post as head of the army, and was elected over Joshua Nkomo. This nation intervened in support of Laurent Kabila during the Second Congo War, and the Lancaster House Agreement in 1979 led to the end of the government of Ian Smith here as well as white minority rule. The Movement for Democratic Change has emerged to challenge the ZANU-PF party in this nation. For 10 points, name this nation formerly known as Southern Rhodesia, led since independence by Robert Mugabe.

ANSWER: Republic of Zimbabwe <AM>

13. One of these organisms, *Tesnusocaris goldichi*, possessed uniramous instead of biramous appendages. One structure that characterizes this phylum undergoes apolysis and ecdysis and is composed of proteins like resilin or sclerotin interwoven with fibrous alpha-chitin. That structure, often mineralized with calcium carbonate, is a cuticle. Animals in this phylum uptake waste from their hemolymph using Malpighian tubules and also possess open circulatory systems and jointed legs. For 10 points, name this phylum of segmented invertebrates protected by exoskeletons, which includes crustaceans, arachnids and insects.

ANSWER: Arthropoda [accept crustaceans before "this phylum"] <WH>

14. This work claims that it is impossible to derive that two lines cannot contain space from the definitions of a straight line and the number two. Its author believes that one can never know the empirical ego, since the mind can only experience itself through filtered perception, the transcendental ego. This work posits a phenomenal and a noumenal world, the latter of which is unknowable. It argues that the mind uses twelve categories, including causality, to interpret and impose order on the world, and claims that a priori knowledge can be either analytic or synthetic. For 10 points, name this work by Immanuel Kant, the first of his Critiques.

ANSWER: Critique of Pure Reason [or Kritik der reinen Vernunft] <WD>

15. This painter of a self-portrait in camouflage created a mural that was destroyed for showing 22 mug-shots of criminals. This creator of *Thirteen Most Wanted Men* depicted an empty electric chair hazed with red in his *Death and Disaster* series. He illustrated the numbness caused by overexposure in a work that uses four images of the title figure before and after her husband's assassination. In another series, he depicted the title figure in garish colors and red lipstick. For 10 points, name this Pop artist who created silkscreen paintings of Jacqueline Kennedy, Mao Zedong, and Campbell's Soup Cans.

ANSWER: Andy Warhol <MZ>

16. This ruler sought to gain territory via a secret agreement with Charles Theodore, and this ruler also abolished the death penalty. This ruler's finance minister Karl von Zinzendorf attempted to implement policies with physiocratic tendencies. This ruler sent generals Lacy and Laudon on a series of tactical maneuvers in one conflict that saw little actual fighting, the War of Bavarian Succession, and, in response to the peasants' revolt of Horea, abolished serfdom. This ruler issued the Patent of Tolerance and argued with Pius VI over the dissolution of monasteries. For 10 points, identify this Hapsburg monarch succeeded by Leopold, an enlightened despot who rose to power following the death of his co-ruler Maria Teresa.

ANSWER: Joseph II <ZZ>

17. In one of this man's works, the Child of Palaichthon, Pelasgus, allows fifty maidens to stay in Argos. That work is included with the lost plays *Amymone* and *The Egyptians* in the *Danaid Tetralogy*, and precedes a similarly-named Euripides work by almost 50 years. This playwright of *The Suppliants* wrote a work in which Polynices battles Eteocles by selecting six other Argive warriors to attack the title city. A lock of hair from Orestes is discovered in a trilogy consisting of *Agamemnon*, *The Libation Bearers* and *The Eumenides*. For 10 points, name this Greek tragedian who wrote *Seven Against Thebes* and *The Oresteia*.

ANSWER: Aeschylus [or Aiskhulos] <WR>

18. A nymph raped by this god had her wish granted to become a male warrior, and he fathered twins while disguised as Enipeus. Alongside his nephew, this god helped build the walls of Troy. He fathered a horse able to speak with his sister while in the form of a stallion. Erechtheus was the emissary of this god, who slept with Aethra on the same night as Aegeus and may have fathered Theseus. This husband of Amphitrite cursed Odysseus's voyage home after Odysseus blinded his son Polyphemus. For 10 points, name this Greek god of seas and earthquakes who wields a trident.

ANSWER: Poseidon [accept Neptune before "Enipeus"] <AM>

19. These compounds can be inverted using triphenylphosphine and DEAD [read letters individually] in the Mitsunobu reaction. These molecules also attack a protonated carbonyl group to form a tetrahedral intermediate with carboxylic acid in a reaction which produces water and an ester, named for Fischer. Methods of synthesizing these compounds include hydration of an alkene and the fermentation of glucose with yeast. This functional group with the general formula  $C_nH_{2n+1}OH$  consists of a hydroxyl attached to an R group. For 10 points, name this functional group, examples of which include methanol and ethanol.

ANSWER: alcohol <AM>

20. This city's highest point is a tower with a notable teddy bear museum on Namsan, while in the north, Bukhansan is this city's tallest mountain. Attractions in this city include Yeouí Island as well as the world's largest indoor theme park, Lotte World, and the 14th century dynastic halls, the "Five Grand Palaces". The Han River runs through this city, and it shares an administrative region with Gyeonggi Province and Incheon. This city, which resides in the second largest metropolitan area in Asia, contains districts like Gangseo and Gangnam. For 10 points, name this capital of South Korea.

ANSWER: Seoul Special City <WR>

TB. This author described a wall-hanging crashing down onto a dish of lamprey dressed with Venafron oil at Nasidienus's dinner party in one of his *Satires*. He wrote a work sung at the Secular Games, *Carmen Saeculare*, and criticized the phrase "of Priam's fate I'll sing, and the greatest of wars" in an Epistle to the Pisos. This user of the "ut pictura poesis" analogy warned authors not to "start like the old writer of epic cycles", "de ovo" and instead begin "in medias res". He penned the lines "dulce et decorum est pro patria mori". For 10 points, name this lyric writer of *Ars Poetica*, a Roman poet who coined the term "carpe diem".

ANSWER: Horace [or Quintus Horatius Flaccus] <WR>

## **Round 01 – Bonuses**

1. Name some things about mathematician John Horton Conway for 10 points each.

[10] Conway is the namesake of three “finite” types of these abstract algebraic structures. First studied by Galois, these objects consist of a set and a binary operation, examples of which include the commutative Abelian ones.

ANSWER: **groups**

[10] Conway constructed this cellular automaton, a grid of binary state cells. Patterns in this “game” include Gosper’s Glider Gun, which continually generates shapes that move diagonally.

ANSWER: Conway’s Game of **Life**

[10] Paul Rendell constructed a 3-state 3-symbol one of these devices in the Game of Life. These eponymous hypothetical machines contain a head which reads an infinite tape, simulating a computer algorithm.

ANSWER: **Turing** machine [or **a**utomatic-machine] <WR>

2. Throughout history, humans have been plagued with diseases. For 10 points each:

[10] This series of pandemics originated in Asia during the Middle Ages and arrived through Venice, spreading rapidly to other European countries. It killed roughly 75-200 million people in total.

ANSWER: **Black Death** or **Black Plague** [prompt on “bubonic plague”]

[10] This disease was instrumental in dooming the French attempt to build the Panama Canal in the 1880s. William C. Gorgas managed to contain this disease by ordering the clearing out of swamps, allowing the U.S. to successfully complete the canal in 1914.

ANSWER: **malaria** [or **Yellow Fever**]

[10] This worldwide pandemic occurred after World War I and was spread by massive troop movements and poor sanitary conditions. It is named after a country neutral in World War I, whose press was thus free to report about it.

ANSWER: **Spanish Flu** [or **1918 flu pandemic**] <JL>

3. Answer some questions about a certain economic concept and one of its originators for 10 points each.

[10] This concept describes the cost of buying into producing a certain good. Examples include the cost of joining a medieval guild, government royalties, or patent and license costs.

ANSWER: economic **rent**

[10] This author of *An Inquiry Into the Nature and Progress of Rent* pointed out the difference between arithmetically growing resources and exponentially increasing population.

ANSWER: Thomas **Malthus**

[10] According to Malthus, that difference caused the world to be stuck in this structure until the Industrial Revolution, before which technological progress only translated to population growth, not increased income or quality of life.

ANSWER: Malthusian **trap** <MZ/WD>

4. Name some things relating to the mind-body problem, for 10 points each.

[10] This philosopher approached the mind-body problem with the assertion that everything that exists, including human beings, is a “mode” of God, a theory that he espoused in his work *Ethics*.

ANSWER: Baruch **Spinoza**

[10] Spinoza’s monism contrasts with this theory that asserts that the mind is an independently existing but non-physical substance. It was developed by Rene Descartes.

ANSWER: substance **dualism**

[10] In *The Concept of Mind*, Gilbert Ryle characterized Cartesian dualism with this phrase, which describes a mysterious mind inhabiting an intelligible body. This phrase lends its name to an Arthur Koestler work.

ANSWER: **ghost in the machine** <MZ>

5. The speaker of this poem asks Stetson whether the corpse he planted has begun to sprout. For 10 points each:

[10] Name this poem whose speaker notes that “April is the cruellest month”. Sounds of thunder and fragmented images of destruction punctuate its final section, which ends with the mantra “Shantih shantih shantih”.

ANSWER: “The Waste Land”

[10] This poet of “Gerontion” and “The Waste Land” wrote of women who “come and go / talking of Michelangelo” in “The Love Song of J. Alfred Prufrock”.

ANSWER: Thomas Stearns Eliot

[10] In this play by T. S. Eliot, Thomas Becket fends off four tempters before confronting four knights, who perform the title action.

ANSWER: Murder in the Cathedral <MZ>

6. It occurs because its namesake color has the highest wavelength of any visible color. For 10 points each:

[10] This effect is observed when a light source moves away from the observer, causing electromagnetic radiation from the light source to increase in wavelength.

ANSWER: redshift

[10] As a result of time dilation, this fundamental force can induce a specific type of redshift. The change in wavelength due to this force approximates one-half times a constant divided by distance.

ANSWER: gravity [accept word forms]

[10] The aforementioned constant, symbolized  $r_{\text{sub } s}$ , is this eponymous distance proportional to an object’s mass. Black holes form when an object becomes smaller than this metric, equal to 2 times big  $G$  times  $m$  divided by  $c$  squared.

ANSWER: Schwarzschild radius <PS>

7. While it reached the court of its intended recipient, it was never read. For 10 points, identify some things about a failed peace proposal.

[10] That proposal was this document, which sought to prevent an outright war by negotiating trade and tax regulations. It was borne by Arthur Lee and Richard Penn, who were denied access to King George III.

ANSWER: Olive Branch Petition

[10] The final copy of the Olive Branch Petition was drafted and edited by this man, a moderate from Pennsylvania who wrote the *Letters From a Pennsylvanian Farmer*.

ANSWER: John Dickinson

[10] Instead of responding to the petition, George III issued a Proclamation for Suppressing Rebellion and Sedition in the aftermath of this notably misnamed engagement, during which American forces temporarily held a redoubt near Boston.

ANSWER: Battle of Bunker Hill [or Battle of Breed’s Hill] <ZZ>

8. For 10 points each, answer the following about women’s fashion during the interwar period.

[10] This French fashion designer popularized the little black dress. Initially a hat designer, she created the No. 5 perfume and a namesake woolen suit.

ANSWER: Coco Chanel [or Gabrielle Bonheur Chanel; prompt on “Coco”]

[10] This term refers to women who flaunted social norms during the Roaring Twenties. The classic image refers to a flirty short-haired young woman who wore drop-waist Chanel and openly smoke and drank.

ANSWER: flappers

[10] This Italian rival of Chanel rejected the flapper by raising the waist and emphasizing the upper body. She designed hats in the shape of shoes and collaborated with Salvador Dali on a dress worn by Wallis Simpson, the Lobster Dress.

ANSWER: Elsa Schiaparelli [prompt on “Schiap”] <MZ>

9. In this novel, Amina is kicked out after a car accident reveals that she left the house to pray at a mosque. For 10 points each:

[10] Name this novel that opens during World War I and centers on the lives of the oppressive al-Sayyid Ahmad and his family on the title street.

ANSWER: Palace Walk [or Bayn al-qasrayn; or Between the Two Palaces]

[10] *Palace Walk*, *Palace of Desire*, and *Sugar Street* are part of this trilogy that follows the al-Jawad family across three generations.

ANSWER: Cairo Trilogy

[10] This author of *Children of Gebelawi* wrote about Said's thirst for revenge in *The Thief and The Dogs*, in addition to writing the Cairo Trilogy.

ANSWER: Naguib Mahfouz <MZ>

10. For uranium-238, it's about 4.468 billion years. For 10 points each:

[10] Name this quantity used to characterize time periods in exponential decay. It is equal to the natural log of 2 divided by the decay constant of a radioactive material.

ANSWER: half-life [or t half]

[10] Half-lives also characterize zero-order reactions, for which this statement asserts that half-life equals the concentration of A over 2k. In general, these statements relate concentrations with how quickly reactions proceed.

ANSWER: rate law [or rate equation]

[10] Although not reactants, these substances may appear in a rate law because they lower the energy of the activated complex. However, their concentrations remain constant because they are not used up in a reaction.

ANSWER: catalysts <WR>

11. Answer some questions about cereal for 10 points each.

[10] This Kellogg cereal known as Zucaritas in Latin America is a good source of Vitamin D. Its namesake flattened corn pieces are coated in sugar, and Tony the Tiger insists that they are delicious.

ANSWER: Kellogg's Frosted Flakes

[10] This fictional serial killer is depicted in *The Silence of the Lambs*. In the movie adaptation, he is played by Anthony Hopkins and claimed to have eaten a census taker's liver with "some fava beans and a nice chianti".

ANSWER: Hannibal Lecter

[10] A "serial" variety of these punctuation marks may be placed before a coordinating conjunction in a list of three or more terms. The Oxford University Press insists on the usage of these to prevent ambiguity.

ANSWER: serial commas [or Oxford commas] <WR>

12. In one battle this entity's troops fought around several battle wagons that bore the standard of the alliance. For 10 points each:

[10] This alliance of northern city-states in Italy, led by Milan, was formed to counter the claims made at the Diet of Roncaglia and was supported by Pope Alexander III.

ANSWER: Lombard League

[10] The Lombard League defeated the forces of this man at Legnano, ending his bid for Imperial control over Italy. He later made peace with the League, but drowned in the river Saleph en route to the Third Crusade.

ANSWER: Frederick I [or Frederick Barbarossa]

[10] This other monarch also took part in the Third Crusade, where he defeated the forces of Saladin multiple times. Despite a major victory at Arsuf, he was forced to make peace with a treaty that maintained Muslim control over Jerusalem.

ANSWER: Richard I [or Richard the Lionheart] <ZZ>

13. When Thea Elvsted refers to herself as “useful property”, the title character remarks, “That is stupid of you”. For 10 points each:

[10] Name this play in which George Tesman comments, “now she is playing with those pistols again” after the title character shoots herself upon being blackmailed by Judge Brack.

ANSWER: Hedda Gabler

[10] This rival of Tesman is pressured by Hedda to shoot himself, not “with vine-leaves in his hair”, “but beautifully nevertheless”. This man writes a manuscript about “the industries of Brabant” that is burned by Hedda.

ANSWER: Eilert Løvborg [accept either]

[10] This Norwegian playwright of *Hedda Gabler* and *A Doll's House* wrote about Dr. Stockmann’s labeling as an enemy of the people and Hedvig Ekdal shooting herself instead of the wild duck.

ANSWER: Henrik Ibsen <WR>

14. Name these mythological figures who planted things in the ground for 10 points each.

[10] This Phoenician prince and brother of Europa was given dragon’s teeth by Athena to plant in the ground. The oracle at Delphi told him to follow a cow, leading him to found Thebes.

ANSWER: Cadmus

[10] This man survived the great flood by hiding with his wife Pyrrha in a large chest. He and Pyrrha threw the “bones of their mother,” or stones, behind them to form the new human race.

ANSWER: Deucalion

[10] Medea gave this leader of the Argonauts dragon’s teeth as well, which he used to plow a field in less than a day. Later, he left Medea on an island.

ANSWER: Jason <WD>

15. He depicted the *Ognissanti Madonna* symmetrically surrounded by saints. For 10 points each:

[10] Name this early Renaissance artist whose influence from Cimabue can be seen in his fresco cycle for the Arena Chapel, which contains his *Lamentation* and *The Kiss of Judas*.

ANSWER: Giotto di Bondone

[10] Giotto hailed from this city, often considered the center of the Italian Renaissance when it was ruled by the Medici family. This city also contains the Uffizi Gallery.

ANSWER: Florence [or Firenze]

[10] Giotto painted two red-saddled camels on the left side of his depiction of this scene. Botticelli may have painted himself into his depiction of this scene, where a kneeling Cosimo de’ Medici represents one of the title figures.

ANSWER: the Adoration of the Magi [prompt on partial] <WR>

16. This Republic was founded in 1953 following the fall of King Farouk. For 10 points each:

[10] Name this Middle Eastern republic first led by Mohammed Naguib that clashed with the British, French, and Israelis after it nationalized the Suez Canal.

ANSWER: Republic of Egypt [or Gumhuriyyat Misr]

[10] This Second President of Egypt led the Egyptian Revolution of 1952 as a leader of the Free Officers Movement. His socialist ideas angered the West and the United States would later withdraw funding for his Aswan Dam in retaliation.

ANSWER: Gamal Abdel Nasser

[10] This union of Syria and Egypt would led to the brief dissolution of the Republic of Egypt in 1958. While initially popular with Syrians, this union was short lived as Nasser attempted to remove Syrians from power.

ANSWER: United Arab Republic <JL>

17. It ends with the line “So. Now vee may perhaps to begin. Yes?”. For 10 points each:

[10] Name this novel in which Alex rants about his mother and reveals various escapades with The Pilgrim, The Pumpkin, and The Monkey during a psychoanalysis session with Dr. Spielvogel.

ANSWER: Portnoy's Complaint

[10] This author of *Goodbye, Columbus* and *Portnoy's Complaint* unveiled all the characters at Seymour Levov’s party as subversives in *American Pastoral*.

ANSWER: Philip Roth

[10] In this Roth novel, Delphine Roux sends a note claiming that “Everybody knows” about Faunia Farley to Coleman Silk, who is also hiding the fact that he is half-black.

ANSWER: *The* Human Stain <MZ>



18. Kuru, a disorder which causes sufferers to laugh uncontrollably, is caused by misfolded ones known as prions. For 10 points each:

[10] Name these macromolecules consisting of amino acids whose secondary structures are usually characterized by alpha helices and beta sheets.

ANSWER: **proteins**

[10] This lab technique is used to quantitatively separate proteins based on size by first running samples through a polyacrylamide gel. The separated samples are then transferred to a nitrocellulose paper to be stained.

ANSWER: **western blot** [or **protein immunoblot**]

[10] Northern blotting, on the other hand, is used to determine molecular weights of this type of organic molecule. Before blotting, these molecules are denatured into their primary single-strand structures.

ANSWER: m**RNA** [or messenger **ribonucleic acid**] <WH>

19. For 10 points each, name these mountains of the United States.

[10] This stratovolcano in Washington State is the most topographically prominent mountain in the contiguous United States. Its highest summit is known as Columbia Crest.

ANSWER: Mount **Rainier**

[10] This other stratovolcano in the Cascade Range is famous for its 1980 eruption, the most destructive volcanic event in U.S. history which also formed this mountain's Crater Glacier.

ANSWER: Mount **St. Helens**

[10] This mountain, located in Denali National Park in Alaska, is the tallest mountain peak in North America.

ANSWER: Mount **McKinley** <BM>

20. They are usually scored for a single voice and piano, as is the case for "Death and the Maiden". For 10 points each:

[10] Name this German term describing Romantic poems set to music. Commonly known as art songs, examples can be found in song cycles such as *Winterreise*.

ANSWER: **lieder** [accept **lieder** of Franz Schubert but do not reveal this answer line]

[10] This Austrian composed the aforementioned "Death and the Maiden" and *Winterreise*, as well as a technically demanding piano piece "Wanderer Fantasy" and an Unfinished Symphony.

ANSWER: Franz **Schubert**

[10] In this Schubert lied set to text from Goethe's Faust, the left hand of the piano plays a rhythm that represents the soprano's beating heart, while the right continually plays cycles of sixteenth notes, connoting the constant rotation of the title object.

ANSWER: **Gretchen at the Spinning Wheel** [or **Gretchen am Spinnrade**] <WR>

TB. While the Seven Cities of Cibola may not have existed, the Americas certainly did. Identify some notable figures who explored in the Americas for 10 points each.

[10] This Portuguese explorer intended to reach India along the route of Vasco da Gama. He accidentally landed in Brazil, which he then claimed for Manuel I.

ANSWER: Pedro Alvarez **Cabral**

[10] This explorer discovered Florida for Spain and was a governor of Puerto Rico, though he is better known for supposedly pursuing the Fountain of Youth.

ANSWER: Juan **Ponce de Leon**

[10] This man was the first European explorer to see the Mississippi River, and died during that expedition. He had earlier served as a commander under Francisco Pizarro during the conquest of the Inca.

ANSWER: Hernando **de Soto** <ZZ>