

Minnesota Open V

Packet by the editors (8): Auroni Gupta, Andrew Hart, Gaurav Kandlikar, and Cody Voight

Finals Packet 2

Tossups

- One character in this novel remembers her father, who was given a grave and a tombstone after he opted to settle down with a black mistress in Cuba rather than come home from the Spanish-American War. Another character in this novel demonstrates his marksmanship by shooting a bullet through the center of a tossed silver coin. As it opens, Innocencio Mansalvo and Pedrito gaze at the corpse of the title character, who was shot after torching a set of priceless (*) documents authorized by the King of Spain. The two main male characters in this novel become involved with a schoolteacher who moves from D.C. to tutor the Miranda children, named Harriet Winslow. After killing the title character of this novel, Tomas Arroyo is killed by Pancho Villa for insubordination. For 10 points, name this novel that fictionalizes Ambrose Bierce's disappearance amidst the Mexican Revolution, written by Carlos Fuentes.**
ANSWER: *The Old Gringo* [or *Gringo Viejo*]
- The first pope of this name was kidnapped by Constans II and exiled to the Crimea, where he died. By historical accident, there are no second and third popes of this name, because those popes actually bore a slightly different name. One pope of this name was elected on the feast day of his namesake saint, who was a Roman soldier who gave half of his cloak away to a beggar only to find it restored after a dream about Christ. One pope of this name, whose love for Lake Bolsena eels and Vernaccia wine was lampooned in the *Divine Comedy*, was a Frenchman who ordered the Aragonese crusade against Peter III for overthrowing Charles of (*) Anjou in the Sicilian Vespers. Another pope of this name instigated the Hussite Wars and called the Council of Siena. For 10 points, the fifth pope of what name was born Odo Colonna and elected at the Council of Constance, effectively ending the Western Schism?**
ANSWER: Martin [I, IV, or V]
- One piece of this type was commissioned by Lech Walesa in 1980 to celebrate the unveiling of a Solidarity monument. The duet "Qui me rendra ce mort? O funebres abimes!" was incorporated into another work of this kind after being cut from the composer's opera *Don Carlos*. The original text that these pieces are based on refers to "that day / On which from ashes shall arise / The guilty man to be judged." Penderecki expanded his work of this kind into the *Polish Requiem*. One of these pieces in 12/8 time responds to quarter-note intervals in the second violin and viola with off-beat eighths in the first violins. An incomplete (*) "Amen" fugue was added as an additional movement after that piece of this type, which abruptly ended after nine bars and was continued by Franz Sussmayr. For 10 points, what section of the Requiem mass, which precedes the *Pie Jesu* in the *Dies Irae* sequence, was the last part of Mozart's requiem that wrote himself and means "weeping" in Latin?**
ANSWER: Lacrimosa [prompt on requiem; prompt on Dies Irae]
- According to Ad-Darimi's *musnad*, this figure passes gas before leaving a house where the Al-Baqarah *sura* is being recited. This figure caused a man to utter "have you thought upon Al-Lat and Al-Uzza / and Manat, the third, the other," resulting in great favor with the Meccans. This figure asked Allah for respite until the judgment day and has no authority over *ubud*. This figure considered himself (*) superior to Adam, who was made from clay, since he himself was made of smokeless fire. This figure, who whispers into the ears of men, influenced Hagar, Ishmael, and Abraham, which is punished by having stones pelted at him seven times during the Hajj. For 10 points, name this figure, also known as Iblis, the namesake of some sacrilegious verses of the Quran.**
ANSWER: the devil [or Shaitan; or Satan; or Iblis before mention]
- One character in this story imagines all classes of people being crammed together in a box car, "being ridden off to be put into a gas oven," and continually pictures Jesus offering her two, and later three, options for who to be in life. That character in this story routinely gives her black servants ice-water for the sake of "buttering" them up. In this story, the book *Human Development* is read by the Wellesley student Mary Grace, who, after the main character thanks Jesus for her gratitude at the way things are, (*) tosses it at her forehead, begins to choke her, and tells her "to go back to hell where you came from, you old wart-hog!" Along with "Judgment Day" and "Parker's Back," this was one of the final three stories its author wrote before succumbing to lupus. In this story, Claud and his wife go to a cramped doctor's waiting room to have his ulcer examined. For 10 points, name this Flannery O'Connor story in which Mrs. Turpin experiences an epiphany.**
ANSWER: "Revelation"

6. Layers of this structure are separated by rock-salt-like Bi_2O_2 layer in the Aurivillius phase, which is paired with the Ruddleson-Popper and Dion-Jacobson phases. Goldschmidt developed his tolerance factor, t , to estimate the degree of distortion in the cubic lattice of this material. The piezoelectric material PZT has this structure. Type-II superconductors with this structure have the highest TC, including the first superconductor to have a critical temperature above the boiling point of nitrogen, YBCO. In the material with this name, a calcium inhabits the center of eight (*) TiO_6 octahedra. A high-pressure form of magnesium silicate that likely occurs in the D-double prime layer is termed “post” this structure. For 10 points, name this crystal structure of materials that follow the chemical formula ABX_3 , where A and B are cations and X is an anion.
ANSWER: perovskite
7. This justice, who turned a notable phrase about a certain position’s “lowest ebb,” lambasted a colleague for rushing to a decision in *Jewell Ridge*, which, in this justice’s view, was done solely to influence contract negotiations between the parties to the detriment of the workers. This justice, who feuded with Hugo Black, wrote a concurrence to one of Black’s opinions in which this justice divided the executive branch’s power with respect to the legislative branch into three categories: when the president has express or implied permission from Congress, when Congress has not spoken, and when the president defies Congress. This author of an oft-cited concurrence to the (*) *Youngstown Sheet and Tube* case attempted to have Alfred Krupp stand in for his father and to try individuals before the IMT for participation in criminal organizations in another role. For 10 points, name this Supreme Court justice who served as the chief U.S. prosecutor at the Nuremberg Trials.
ANSWER: Robert [Houghwout] Jackson
8. This work is parodied in a Monty Python’s Flying Circus episode in which its author clarifies that it’s not about crabs and describes “the biggest ant you’ll ever seen.” Tim Duncan’s entry in the *Free Darko Macrophenomenal Pro Basketball Almanac* references this poem, which inspired the name of a comic book character with an “Antarctic retreat” who consumed a ball of hashish and embarked on a vision quest that led to his becoming a superhero known as the (*) “smartest man on earth.” That character, named for this poem, deliberately exposes some of his employees to radiation in order to force Dr. Manhattan to leave Earth. For 10 points, Adrian Veidt took his name from what poem that instructs readers to “look upon my works, ye mighty, and despair”?
ANSWER: “Ozymandias”
9. The conservative British press attacked an adaptation of this novel by Margaretta D’Arcy and John Arden, which transposed the setting to Ireland. The climax of this novel consists of a speech directed at a panel of judges, telling them that “all of you...are more enslaved than we are. You are enslaved spiritually; we—only physically.” Shortly afterwards, its title character goes to a railway station to disseminate copies of that speech, but is choked and beaten to death by several gendarmes. An adaptation of this novel was the very last of the “learning plays” to be performed in Germany by its author (*) Bertolt Brecht. The title character of this novel moves on from her abusive marriage with Vlassov by joining Sophia, Natasha, and Andrei in a May Day celebration in which Pavel carries the banner. For 10 points, name this socialist realist novel by Maxim Gorky in which a woman plays a crucial role in her son’s revolutionary struggle in Tsarist Russia.
ANSWER: *The Mother* [or Mat]
10. In one account, this event took place during a four-month-long festival because of a sign-changing “structural crisis” that occurred when the central figure turned around. A brouhaha over this event arose from the publication *Islands of History*, which argued that this event was the result of the mythical worldview of the people who carried it out. This event was the subject of the work about its central subject’s “Apotheosis” and the work *How “Natives” Think*, which were both produced during a longstanding debate about this event between (*) Gananath Obeyesekere and Marshall Sahlins, who quarreled over whether the person at its center was mistaken for the god Lono before being clubbed on the beach. For 10 points, identify this event in an explorer was killed by native Hawaiian islanders.
ANSWER: the death of Captain James Cook [accept anything indicating that Cook is perishing or getting murdered]
11. This thinker argued that W.V.O. Quine proposed ignoring questions about rationality, justice, and knowledge, and instead suggested investigating the causal connections between sensory evidence and beliefs about the world, in this thinker’s influential critique of naturalized epistemology. This philosopher developed the distinction between concepts, one in which “no possible world that contains individuals that are B-indiscernible but A-discernible,” the other in which “no possible individuals that are B-indiscernible but A-discernible, whether they are in the same world or different worlds.” This formulator of the bifurcation between weak and strong supervenience proposed that one cannot be both a physicalist and a (*) non-reductivist. For 10 points, name this author of *Supervenience and Mind*, a Brown University-based Korean-American philosopher of mind.
ANSWER: Jaegwon Kim

12. **Protein products of the genes central to a model of this name are hypothesized to form a tetramer that interacts with CA₂G boxes in the Quartet Model. That model with this name describes the expression of the *Apelata*, *Pistilata*, and *Agamous* genes and was developed by Meyerowitz and Coen to explain the formation of unique whorls in organisms like *Antirrhinum*. One set of proteins with this name includes the protein mutated in patients of CF. The model with this name categorizes cells as ones that develop into sepals, petals, stamens and carpels based on differential expression of (*) three sets of transcription factors. Members of proteins in the family of this name all have transmembrane and nucleotide binding domains. This name refers to a family of transport proteins that hydrolyze ATP and are coded for by a gene cassette. For 10 points, give this three-letter name that also identifies a model of flower development.**
ANSWER: ABC [model of flower development or proteins]
13. **As a result of this man's mistake, Condalmiero killed a lot of his retreating men. In one battle, this man, sensing a trap, followed a shepherd to a castle, took an axe, and chopped the front gate of the fortification down. A favorite tactic of this man was to dress himself and his men up in papal garb and shackle himself up to his prisoners in order to lure enemies and lower their defenses. This man sent and received an embassy with Francis I, intended to unite the two against the Habsburgs. During an assault on Bougie, this man's brother lost an arm and replaced it with a (*) silver prosthetic. At the battle of Preveza, this man bested his arch-nemesis Andrea Doria. Following the death of his brother Aruj, this man inherited a nickname, applied henna to look the part, and changed his base of operations to Algiers. For 10 points, name this Ottoman admiral, a pirate known for the bright color of his facial hair.**
ANSWER: Hayreddin Barbarossa Pasha [or Khair ad-Din; or Hizir/Khizr Reis]
14. **One of the longest works in this collection refers to an Undercutter and a Woodcutter as the sources of toothaches and describes a drink made out of meal, water, and mint consumed by a character who roams the earth for nine days holding torches. Another work in this collection describes how a woman wears a robe more resplendent than the brightness of fire, couples with her lover on bear and lion skins, and makes him promise not to reveal her identity. The first two works in this collection were unearthed in a stable in Moscow in 1777. Several of them end with some variation of the phrase "and I shall remember you and another (*) song also." This collection, whose works range from 3 to 582 lines, describes the seduction of Anchises by Aphrodite. Thucydides was the first to use its common title, given because it uses the same dactylic hexameter as the *Iliad* and *Odyssey*. For 10 points, name these anonymous poems celebrating Greek gods.**
ANSWER: the Homeric Hymns
15. **A process named after this distribution takes a base distribution and a positive scaling parameter and yields another distribution of this type, and is typically used in Bayesian non-parametric models because of the large support of distributions. That process is modeled using the stick-breaking scheme or the Chinese restaurant process. This distribution, for k components with parameters alpha, is a probability distribution over a k-minus-1 dimensional simplex with the density equal to the inverse of the beta function times the iterated product of the i-th component raised to the alpha minus one. It is the conjugate prior of the multinomial distribution, and the (*) beta distribution is itself a special case of this distribution for two dimensions. For 10 points, identify this distribution named for a German mathematician who formalized the idea that, if there are n pigeons and n minus 1 holes, one hole will have two pigeons.**
ANSWER: Dirichlet distribution [accept Dirichlet process]
16. **One character in this novel mistakes an American visitor for a "heathen Chinee" and sings the refrain "Cheer up, Sam; / Don't let your spirits go down. / There's many a girl that I know well, / Is waiting for you in the town." In this novel, the Emperor of China feels out of place at a magnificent dinner. One character in this novel, a regular at the Bear-Garden, insists that a policeman restrained him as he was beaten by John Crumb, who becomes engaged to Ruby Ruggles. The primary villain of this novel kills himself by drinking prussic acid long after scheming with Hamilton Fisker on a non-existent (*) railroad between Utah and Mexico. Paul Montague finally gets with Hetta in this novel, which opens with Lady Carbury making matches for her children. The financier Augustus Melmotte represents corruption in this Victorian social satire. For 10 points, name this stand-alone masterpiece by Anthony Trollope.**
ANSWER: *The* Way We Live Now
17. **This thinker modified Runge's color sphere, with white on the top and black on the bottom, at the beginning of a lecture in which he painted red and green over one another repeatedly to produce grey. This person divided one work into sections on "line and structure," "dimension and balance," "gravitational curve," and "kinetic and chromatic energy." This thinker's methods are outlined in namesake notebooks whose two volumes are translated into English as "The Thinking Eye" and "The Nature of Nature." He described the act of drawing as (*) "taking a line for a walk" in his *Pedagogical Sketchbook*. For 10 points, name this painting teacher at the Bauhaus who executed the works *Viaducts Break Rank*, *Angelus Novus*, and *Twittering Machine*.**
ANSWER: Paul Klee

18. **One member of this organization wrote the 1988 autobiography *The Statement* and was ironically played by Matthias, the son of a man he betrayed, in the 2003 film *In the Shadow of Power*. The Rosenholz files were compiled by one wing of this organization, which perfected a type of psychological torture whose name is derived from the word for “corrosion.” A sub-group of this organization, the HVA, trained “scouts for peace” under the leadership of (*) Markus Wolf, who placed some of its members in the Red Army Brigade. The government of Willy Brandt toppled when it was discovered that an agent for this organization, Gunter Guillaume, was one of Brandt’s advisers. For 10 points, name this domestic East German secret police force.**

ANSWER: the Stasi [or Ministry of/for State Security; or Ministerium für Staatssicherheit; or MfS; accept HVA or Hauptverwaltung Aufklärung before “HVA”]

19. **Two molecules of this compound, along with a chloride ion and carbon monoxide, substitute an iridium atom in Vaska’s complex. This compound, which is reacted with an azide to eliminate N₂ in the Staudinger reaction, serves as a reducing agent during the synthesis of Wilkinson’s catalyst, in which three molecules of this compound are bonded to the central ruthenium atom. Di-bromo-carbene is formed in situ by reacting carbon tetrabromide with this compound during the (*) Corey-Fuchs reaction. This compound is reacted with an alkyl halide to create a phosphonium ylide (“ill-id”) in the preparatory step of the Wittig reaction. For 10 points, name this compound in which three benzene rings are attached to a central element, commonly symbolized PPh₃.**

ANSWER: triphenylphosphene [or TPP; accept PPh₃ before the end]

20. **In the right background of this work, a man in a red hat points accusingly toward its central character. A man holding a large staff with a red knob and wearing a blue-and-yellow hat sadly looks on at the central action of this work from its left foreground in front of a soldier wielding a halberd. The clouds in the background of this work form a vertical path toward heaven, and the three Mary’s at the bottom left of this work sadly look on as a man in yellow hammers a hole through a (*) plank. A rope is tied around the wrist of the central figure of this work, and the other end of that rope is held by a man dressed in green who is also extending a hand toward the central figure’s shoulder. The central figure of this painting is dressed in a flowing red cloak, which is being tugged on by the men surrounding him. For 10 points, name this painting which shows Christ moments before he is stripped of his clothes for his crucifixion, by El Greco.**

ANSWER: *The Disrobing of Christ* [or *El Espolio*; or *El Expolio*]

21. **One commonality between the first four “series” of this tool was a young boy with his elbows on a table looking down at a violin on the table. The DDM and SCOR are two systems for standardizing and comparing the outcomes of this tool, whose outcomes are either interpreted in a “nomothetic” or “idiographic” manner. This is the most popular tool in the same category as the Goodenough test, the Holtzman test, the and KFD test. This brainchild of Henry A. Murray and Christiana D. Morgan asks subjects to (*) describe the lead-up, the moment, the thoughts and feelings, and the outcome for many scenarios. For 10 points, name this projective psychological test that is similar to the Rorschach test and asks subjects to tell stories about ambiguous pictures.**

ANSWER: the thematic apperception test [or TAT]

Minnesota Open V

Packet by the editors (8): Auroi Gupta, Andrew Hart, Gaurav Kandlikar, and Cody Voight

Finals Packet 2

Bonuses

1. Name some people and things with related -isms, for 10 points each.
[10] This man discussed a Bethlehem Steel Company worker named Schmidt who was “like an ox” in his diatribe against rules of thumb in factories, *The Principles of Scientific Management*, a discipline that is sometimes called this man’s -ism.
ANSWER: Frederick [Winslow] **Taylor** [accept **Taylorism**]
[10] A section of Antonio Gramsci’s *Prison Notebooks* titled for “Americanism” and this man’s namesake -ism, which has become a Marxist term for industrial mass production, such as the assembly lines that produced this man’s Model Ts.
ANSWER: Henry **Ford** [accept **Fordism**]
[10] This multinational company’s namesake -ism is a Marxist term for the management practices of modern-day capitalism, including the division of employees into skilled, job-secure male workers and unskilled, less-secure transient and female workers; and the practice of polling the market to determine which products to make.
ANSWER: **Toyota** Motor Company [or **TMC**; accept **Toyotism**; or **Toyota-ism**]
2. Years before pissing off Soviet authorities by winning the Nobel Prize, Boris Pasternak was criticized in the journal *Novy Mir* for his translation of this play. For 10 points each:
[10] Name this two-part play in which the title scholar unwittingly lets a poodle into his study, where it transforms into Mephistopheles and offers him a bargain.
ANSWER: Goethe’s **Faust**
[10] At the end of *Faust* Part 1, voices from heaven announce “Sie ist gerretet,” announcing that Faust’s lover Gretchen will be saved from the death penalty for committing this crime.
ANSWER: **drowning** her illegitimate **child** [prompt on **murder**, prompt on **infanticide** or **killing her child**, prompt on **murder by drowning**]
[10] In *Faust* Part 2, this alchemical creation of Faust’s student Wagner guides Faust and the devil into classical Walpurgisnacht so that the former can locate Helen of Troy. While there, this creature is transformed into a human by Proteus.
ANSWER: **Homunculus**
3. This technique was first developed by Formhas, and most applications of this process today are done on poly-lactic acid. For 10 points each:
[10] Name this process in which an electric field is applied to a capillary tube containing a polymer that gets deposited as a fiber onto a rotating screen. A Taylor cone is formed at the tip of the capillary in this process.
ANSWER: **electrospinning** [accept word forms]
[10] Taylor cones are also formed when an analyte being subjected to this technique is ionized by electrospraying. Compounds containing bromine have equally tall “m” and “m+2” peaks in this technique.
ANSWER: **mass spectrometry**
[10] This non-DAPPI form of atmospheric ionization developed by Cody and Larmée in 2005 allows for analytes to be ionized and studied at ambient conditions. It requires the formation of metastable species.
ANSWER: **DART** [or **Direct Analysis in Real Time**]
4. A Guido Reni painting located in the Palazzo Rospigliosi depicts this figure showering the ground with rose petals as she leads a caravan in which the Hours circle around Apollo’s cart. For 10 points each:
[10] Name this figure who was also the subject of a Guercino fresco for the Villa Ludovisi. Guercino’s version uses both *di sotto en su* and *quadratura*, as its viewer looks up to see the underbelly of this figure’s horses.
ANSWER: **Aurora** [or **Eos** or **Dawn**]
[10] Another notable Roman Baroque era ceiling fresco was *The Worship of the Holy Name of Jesus* by Il Baciccio in this church. Giacomo della Porta’s façade for this building is considered the first truly Baroque façade.
ANSWER: The Church of the **Gesú** [or Chiesa del **Gesú**; prompt on answers just mentioning **Jesuit** churches]
[10] This Renaissance artist used *di sotto en su* for his fresco on the ceiling of the bridal room in the Ducal Palace in Mantua. This artist also painted an extremely foreshortened *Lamentation of the Dead Christ* and the *Triumphs of Caesar* series.
ANSWER: Andrea **Mantegna**

5. This faction of a larger American Indian group was led by Peter McQueen and Menawa. For 10 points each:
 [10] Name this faction of the Creeks that instigated the Creek War against the United States and won an early victory at the Battle of Burnt Corn.
 ANSWER: the **Red Stick** Confederacy [or **Red Sticks**; prompt on **Muscogee**]
 [10] Along with the Great Comet of 1811, this 1812 event centered on the Missouri bootheel that caused the Mississippi to flow backwards was a sign that led Tecumseh to give the call to arms that resulted in the Creek War.
 ANSWER: the **New Madrid earthquake** [prompt on **earthquake** or equivalents]
 [10] This half-Scotch leader of the Red Sticks participated in the Fort Mims massacre and lost decisively at Horseshoe Bend, after which he surrendered to Andrew Jackson and helped negotiate the Treaty of Fort Jackson.
 ANSWER: William [Billy] **Weatherford** [or **Red Eagle**; or **Lamochattee**; or **Truth Teller**; or **Hopnicafutsahia**]
6. This structure is made up of many repeats of the heptapeptide sequence YSPTSPS, and splicing is coupled to transcription because the spliceosome is recruited to this structure. For 10 points each:
 [10] Name this part of the large subunit of RNA polymerase II, which is not found on any other RNA polymerases.
 ANSWER: **C terminal** domain [or **CTD**; or **carboxyl terminal** domain]
 [10] The binding profile of RNA polymerase onto DNA was studied by using this technique, which can be used to study any DNA-protein interactions. In it, DNA incubated with a protein of interest is cleaved with agents like DNaseI (“D-N-ase-1”).
 ANSWER: DNA **footprinting**
 [10] The general transcription factor TFIID contains a domain that binds to this four-nucleotide “box” in eukaryotic promoter sites. Unlike the Pribnow box in prokaryotes, not all eukaryotic promoter sites contain this sequence.
 ANSWER: **TATA** box [accept **Goldberg-Hogness** box]
7. Answer the following about mythology from sub-Saharan Africa, for 10 points each:
 [10] According to the mythology of this ethnic group, the world began atop a sacred mountain, where the supreme creator Ngai descended. This group’s first chief met Ngai, who sent him to a fig forest to find his wife Mumbi.
 ANSWER: **Kikuyu** [or **Gikuyu**]
 [10] In the myths of Zimbabwe, the god Nosenga caused the sun to shine throughout the Earth by catching two of these animals. Around Great Zimbabwe, many artifacts depicting animal of this type in soapstone have been found.
 ANSWER: sun**birds** [specifically **swallows** or **eagles**]
 [10] A python, a leopard, a dwarf, and some hornets were captured by this West African spider trickster and given to Nyame in exchange for all of the world’s stories.
 ANSWER: **Anansi** [or Kwaku **Ananse**; or **Aunt Nancy**, I guess]
8. This event culminated when four ships, whose loading was supervised by Francisco Mendez Aspe, landed in Odessa. For 10 points each:
 [10] Name this event in which a European republican government shipped nearly three-fourths of its reserves of a certain precious metal to a friendly ally in exchange for arms.
 ANSWER: the **Moscow Gold** affair [or **Oro de Moscú**; prompt on **Gold of the Republic** or **Oro de la Republica**; accept **Paris gold**; accept anything that suggests **Spain sending its gold reserves to Russia/USSR**]
 [10] The Moscow Gold affair was the shipping out of the gold reserves of this European country that was embroiled in a 1930s civil war involving the Republicans and the Nationalists.
 ANSWER: **Spain** [or **España**; or **Spanish Civil War** [or **Guerra Civil de España**; prompt on partial answer]
 [10] This Republican minister of finance persuaded Francisco Largo Caballero to make the gold transfer to Moscow. He took over for Largo’s successor, Manuel Azaña, to become prime minister, a position he held in exile until 1945.
 ANSWER: Juan **Negrin** y Lopez
9. The man who poses this question notes that “people worry about kids playing with guns,” but never think about “literally thousands of songs about heartbreak, rejection, pain...and loss.” For 10 points each:
 [10] Name (or give a reasonable approximation of) this question posed by John Cusack that opens the film *High Fidelity*.
 ANSWER: **What came first, the music or the misery?** [accept anything that mentions **music, misery, and first**]
 [10] This redheaded, Jewish, Russian-born singer was inspired by *High Fidelity* to pen her song “Fidelity.” Her albums include *Soviet Kitsch*, *Begin to Hope*, and the 2012 release *What We Saw from the Cheap Seats*.
 ANSWER: Regina [Ilyinichna] **Spektor**
 [10] When Cusack’s character in *High Fidelity* claims that he’s not dumb, he cites the fact that *The Unbearable Lightness of Being* and this other novel are “about girls, right?” To Cusack’s credit, many women appear in this novel, including Barbara Lynch, Leona Cassiani, América Vicuña, and Fermina Daza.
 ANSWER: **Love in the Time of Cholera** [or **El amor en los tiempos del cólera**]

10. Six “revisionary ratios,” including clinamen, tessera, and kenosis, form the major divisions of this book. For 10 points each:
 [10] Name this work of literary criticism, which essentially argues that writers are hindered by the struggle with their literary precursors in their efforts to produce original and creative works.
 ANSWER: *The Anxiety of Influence*
 [10] *The Anxiety of Influence* was penned by this fan of Kabbalah and fifth-rate science fiction, a professor at Yale.
 ANSWER: Harold Bloom
 [10] One of the many works that Bloom disses for being unable to escape *The Anxiety of Influence* is this poem by Theodore Roethke, whose speaker states “I dream of journeys repeatedly,” and later describes mangled corpses of animals run over by mowers in the title location.
 ANSWER: “The Far Field”
11. The falling form of this animal is the subject of a namesake problem in dynamics that asks how it rights itself without violating conservation of angular momentum. For 10 points each:
 [10] Name this animal that is both alive and dead in a Schrodinger thought experiment.
 ANSWER: cats [or felines]
 [10] The first real solution to the falling cat problem was due to MP Scher and a scientist with this last name. A direct bandgap semiconductor model named for another physicist with this last name incorporates eight bands into its Hamiltonian and is contrasted with the Luttinger-Kohn and Pikus-Bir Hamiltonians.
 ANSWER: Kane [accept T R Kane or Evan O Kane (and be seriously impressed by the former!)]
 [10] Noether’s theorem states that symmetries in this function of a system give rise to conserved quantities; for instance, the conservation of angular momentum follows from rotational symmetry.
 ANSWER: Lagrangian
12. Answer the following about Civil War literature written from the perspective of Southerners, for 10 points each.
 [10] This Modernist writer, in his essay *Narcissus as Narcissus*, explained the significance of the “inexhaustible bodies that are not / Dead, but feed the grass” in his poem “Ode to the Confederate Dead.”
 ANSWER: [John Orley] Allen Tate
 [10] A line from Dowson’s “Cynara” provided the title for this Margaret Mitchell novel, the love story between Rhett Butler and Scarlett O’Hara, set during Sherman’s campaign in Georgia.
 ANSWER: Gone with the Wind
 [10] This only novel by Sidney Lanier was inspired by his own experiences as a soldier in the war. In it, the Sterling family gathers a bunch of young men in their estate for a deer hunt just before the war breaks out.
 ANSWER: Tiger-Lilies
13. This composer drew on the first and last movements of his *Trio Sonata* to create his thirteenth *Organ Concerto*, whose second movement birdsongs give the work its popular name. For 10 points each:
 [10] Name this composer of *The Cuckoo and the Nightingale*, who also wrote *Music for the Royal Fireworks* and *Water Music*.
 ANSWER: George Friedrich Handel
 [10] Handel experimented with three trombones in this oratorio, whose overture was the longest of all of his introductions. It contains a “Dead March,” a funeral anthem for Jonathan and the title character.
 ANSWER: Saul [or HWV 53]
 [10] This ode, adopted from John Dryden’s celebratory lyric for St. Cecilia’s Day, musically describes how Timotheus’s lyre playing incites a general to burn down the captured city of Persepolis.
 ANSWER: Alexander’s Feast [or HWV 75]
14. This monarch was known to some as “The Green Gallant.” For 10 points each:
 [10] Name this French king who stated that Paris was “well worth a mass” while converting to Catholicism but received a knife to the ribs for passing the Edict of Nantes granting Huguenot tolerance.
 ANSWER: Henry IV [or Henry of Navarre; or Henry the Great; or Henri le Grande; prompt on Henry or Henri]
 [10] This fanatical Catholic shivved Henry IV after the king ignored this man’s several attempts relay a totally sane vision about converting all of the Huguenots.
 ANSWER: Francois Ravaillac
 [10] When Henry IV was stabbed, he was on his way to inspect preparations for intervening in a conflict between Wolfgang William and John Sigismund over the succession in this set of three united German duchies, which were in dispute after the death of Duke John William. You can give the name of just the first one.
 ANSWER: United Provinces of Jülich-Cleves-Berg [or War of the Jülich Succession; or Jülich-Cleves War]

15. Name some Jewish foods, for 10 points each.
[10] Egg is sometimes mixed in to increase the palatability of this otherwise dry unleavened bread consumed during Passover.
ANSWER: **matzah** [or **matzo**]
[10] These delicious-looking three-cornered filled pastries represent a body part of Esther's enemy and are eaten on Purim.
ANSWER: **hamentasch** [accept **Haman's ears** or similar answers]
[10] This meat, potatoes, beans, and barley stew is traditionally prepared on Friday, just before Shabbat, and is eaten for lunch on Shabbat day.
ANSWER: **cholent** [or **hamin**]
16. In this poem, a "cry that shivered to the tingling stars" arises from three Queens, who weep over the title deceased character as he is laid upon a barge. For 10 points each:
[10] Name this poem, written as a dialogue between Sir Bedivere and the title character, who is mortally wounded by Mordred and is taken to Avalon. The title character instructs Bedivere to throw Excalibur back into the lake and dies "as the new sun rose bringing the new year."
ANSWER: "The **Passing of Arthur**"
[10] "The Passing of Arthur" is the last of the twelve elegiac narrative poems that comprise this cycle, which adapts stories from Malory's *Le Morte d'Arthur* into allegories for Victorian social and political mores.
ANSWER: **Idylls of the King**
[10] *Idylls of the King* was written by this English poet of "Ulysses" and "The Charge of the Light Brigade."
ANSWER: Alfred **Tennyson**, 1st Baron Tennyson
17. One member of this species may have been killed by a giant eagle. For 10 points each:
[10] Name this species of early hominid, exemplified by the Taung Child fossil, which came after the *afarensis* species in its genus.
ANSWER: **Australopithecus africanus** [prompt on partial answer; or **Au. africanus**]
[10] This originator of "killer ape theory" was the Australian anthropologist who discovered the Taung Child fossil.
ANSWER: Raymond [Arthur] **Dart**
[10] Robert Broom's discovery of this skull in 1947 lent credence to Dart's theory that *Australopithecus africanus* was a distinct species of hominid.
ANSWER: Mrs. **Ples** [accept any prefix, including Mr., Miss, or Master]
18. The USGS typically presents these maps in quadrangles. For 10 points each:
[10] Name this type of map that renders the three-dimensional surface of the Earth onto a two-dimensional surface using contour lines to connect points with the same height.
ANSWER: **topographic** map
[10] Similar to a topographic map, this map uses contour lines to connecting points of similar depth in a body of water, such as a lake or ocean.
ANSWER: **bathymetric** chart [or **bathymetric** map]
[10] Another useful tool in lake morphometry is this curve, which provides a visual relationship between the surface area of a lake and its depth. It represents the portion of the bottom area of a lake that is included between the strata under consideration.
ANSWER: **hypsographic** curve [or **hypsothetic** curve; prompt on **depth-area** curve]
19. This technique is prominent in a scene in which Jean Seberg is wearing sunglasses while riding in a convertible. For 10 points each:
[10] Name this film technique that uses two synchronous shots from cameras at close angles to one another and jarringly alternates between them.
ANSWER: **jump cuts** [prompt on partial answer]
[10] This director used many jump cuts, such as the convertible scene between Jean-Paul Belmondo's Michel and Jean Seberg's Patricia, in his film *Breathless*.
ANSWER: Jean-Luc **Godard**
[10] This director used jump cuts to emphasize the uncertainty of Sam Bell as he discovers his clone alongside the Kevin Spacey-voiced AI GERTY in a 2009 film.
ANSWER: Duncan [Zowie Haywood] **Jones** [the film is *Moon*]

20. Russian imperialism in Central Asia is often neglected. Answer the following about it, for 10 points each.
- [10] Russians loved fetishizing the women from this Caucasian tribe, who were often taken as concubines by Russian adventurers and generals. They were subjugated after losing their namesake war in 1864.
ANSWER: Circassians [or Circassian people; or Adyghe; or Cherkess; or Advys]
- [10] This is the popular nickname for the Russian strategic rivalry with Britain over Central Asia.
ANSWER: The Great Game
- [10] Grozny is the capital city of the namesake republic of this Central Asian ethnic group, whose separatists often engage in terrorist attacks against Russian authorities in their ongoing insurgency.
ANSWER: Chechens [or Noxciv]
21. This thinker created a research program based on a “hard core” and “auxiliary hypotheses” that attempted to wed the theories of Kuhn and Popper. For 10 points each:
- [10] Name this Hungarian-born fallibilist philosopher of science.
ANSWER: Imre Lakatos [or Imre Avram Lipschitz; or Imre Molnar]
- [10] The title of Lakatos’s major work pairs “Proofs” with this other plural noun, which Karl Popper paired with “Conjectures” in a 1963 collection of essays and lectures.
ANSWER: refutations [or Proofs and Refutations; or Conjectures and Refutations]
- [10] Lakatos’s research program built on the writings of this physicist, who wrote *The System of World* and names a thesis with W.V.O. Quine that posits the impossibility of testing a scientific hypothesis in isolation.
ANSWER: Pierre Maurice Marie Duhem