

Harvard Fall Tournament IX

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Round 4

Tossups

1. **The spin-transfer type of this phenomenon can be used to flip the active elements in magnetic RAM using a spin-polarized current. Euler's equations for a rigid body describe the body's motion from a rotating reference frame due to the application of these. The (*) precession of most systems is due to the induction of this quantity by gravity. This vector quantity is the time derivative of L , or the angular momentum. This quantity is equal to I times α , which is the moment of inertia times the angular acceleration or the lever arm crossed with the force. This quantity is measured in Newton-meters. For 10 points, name this quantity, the rotational analogue of force.**

ANSWER: torque

2. **In one passage, authority is said to “chatter” in this character’s ear “like an ape,” and when this character sees his reflection, he sees an “awesome stranger” instead of himself. This character first appears looking for “the man with the trumpet” while wearing a large black cloak and a frill, and asks to be called by his last name. After a flash of lightning, this character dances with a character pretending to be a (*) pig, and earlier paints his face red with clay after hesitating to kill a pig. After torturing Sam n’ Eric, this choir boy lights the forest on fire in order to smoke out Ralph. For 10 points, name this violent rival of Ralph in William Golding’s *Lord of the Flies*.**

ANSWER: Jack Merridew [accept either]

3. **Zou, et. al. modeled the formation of this region by looking at diffraction patterns of PKP waves in the region directly below it. Some patches on the upper boundary of this layer have S-wave velocities 30% lower than surrounding material; those patches are called ultra-low velocity zones. This layer resides directly below the D-double prime layer and its superficial, upper boundary is named for (*) Gutenberg. This layer of the earth is responsible for the shadow-zones of earthquakes since it is impenetrable to S-waves. This layer of the earth produces the Earth’s magnetic field due to convection of its liquid regions. For 10 points, name this region of the earth that is directly below the mantle.**

ANSWER: outer core [prompt on core; do not accept or prompt on “inner core”]

4. **Timofei Dokschitzer, a player of this instrument, popularized Alexander Arutiunian’s [uh-ru-tee-OO-nec-uns] concerto for it. Performers of this instrument surround the stage in a section of the *Dies Irae* in Verdi’s *Requiem*. A solo one of these instruments plays a funeral march at the opening of Mahler’s 5th symphony. Johann Nepomuk Hummel composed a concerto in E major for Anton (*) Weidinger, the inventor of the keyed version of this instrument. A solo one of these instruments poses the title “Unanswered Question” in a work by Charles Ives. For 10 points, name this highest register brass instrument played by Wynton Marsalis, which is frequently used in fanfares.**

ANSWER: trumpet

5. This religion includes attachment and pride among its Five Thieves, the worst of which is *hankaar*, or ego. In this religion, *nimrata* can be achieved by erasing *haumai* via *seva*. Females are called “princesses” and males are called “lions” upon their initiation into the constituency of this religion. The holiest site of this religion is located in a lake created by Ram Das, and is an example of one of its (*) *gurdwaras*; that site is the Harmandir Sahib. The last human leader of this religion, Gobind Singh, elevated this religion’s holy text the Adi Granth into the tenth and last of this religion’s gurus. For 10 points, name this religion originally founded in India by Guru Nanak.

ANSWER: Sikhism [accept word forms]

6. Ellis Chesbrough designed a sewerage system for this city that involved hydraulically raising it in the mid-nineteenth century, and a river near this city was reversed in 1900. A hotel operated by the serial killer H. H. Holmes outside of this city was the subject of the book *The Devil in the White City*. Eugene V. Debs led the American (*) Railway Union in an 1894 strike beginning in this city’s area of Pullman, and Ellen Gates Starr and Jane Addams founded a settlement house in this city in 1889. This city hosted the Columbian Exposition of 1893. For 10 points, name this populous city on the shore of Lake Michigan that experienced a “Great Fire” in 1871.

ANSWER: Chicago

7. In one appearance, this character offers a gold ring to a guard in exchange for dictating a letter, but is interrupted in doing so by a drum roll. This character leads her blind father to an olive grove at the end of another play. A crime committed by this character is discovered after a dust storm ends, and this character’s lover stabs himself after this character hangs (*) herself. Ismene is unable to stop this sister of hers from burying the bodies of their brothers Eteocles and Polynices, which leads Creon to sentence this character to be buried alive. For 10 points, name this lover of Haemon and daughter of Oedipus, the title heroine of the third Theban play by Sophocles.

ANSWER: Antigone

8. Boundary Commissions were historically introduced to prevent the practice of “rotten” and “pocket” boroughs feeding into this body. The so-called “Model” instance of this body occurred in 1295, while one was organized by Simon de Montfort in 1265. Following the Bishops’ Wars, a “short” instance of this body occurred, and Pride’s (*) Purge saw the New Model Army remove a group of people from the “long” instance of this body, leading to one nicknamed “Rump.” For 10 points, name this legislative body that meets in the Palace of Westminster and includes the House of Lords and the House of Commons.

ANSWER: English Parliament [or British Parliament, or Parliament of the United Kingdom]

9. The *julleuchter* [YOOL-ay-ook-tur] was an SS service decoration designed to hold these items during the Nazi *julfest*. The narrator of Edgar Allen Poe’s “The Imp of the Perverse” kills a man with a poisoned one of these items, and after referring to “dusty death” in his “Tomorrow and tomorrow and tomorrow” soliloquy, Macbeth addresses a (*) “brief” one of these items. There is famously only one of these items at the top of Jan van Eyck’s Arnolfini Wedding Portrait, and Edna St. Vincent Millay’s poem “First Fig” describes how one of these items “will not last the night” but “gives a lovely light.” For 10 points, name these items, one of which “burns at both ends” in that aforementioned poem.

ANSWER: candles [accept more specific answers, like lit candles; prompt on “lights”]

10. **This element serves as a heterogeneous catalyst in the direct oxidation process for making ethylene oxide from ethylene and oxygen gases. This element is used as a catalyst in the Wolff rearrangement. A solution of ammonia and a salt of this element reacts with aldehydes but not ketones. It's not lead, but this element's (*) chloride, bromide, and iodide salts are all insoluble, and it has a stable +1 oxidation state and an unstable +2 oxidation state. The bromide of this element is sensitive to light, and thus is widely used in photographic films. This coinage metal has the highest thermal and electrical conductivity of any metal. For 10 points, name this precious metal with symbol Ag.**

ANSWER: silver

11. **In 2007, a group of researchers at Harvard Medical School distinguished individual cells of this type by using Cre-Lox recombination of red, green, and blue derivatives of GFP. Nissl bodies are large granular collections of rough ER found in these cells, and pyramidal cells are a type of these cells that were discovered by Santiago Ramon y Cajal. (*) Oligodendrocytes and Schwann cells are among the glial cells that support these cells. These cells employ sodium/potassium pumps that maintain a resting membrane voltage of -70 mV, though they can also conduct an action potential down their axons. For 10 points, name these cells of the central and peripheral nervous system.**

ANSWER: neurons

12. **Erle Loran unsuccessfully sued this artist for quoting his diagram of a Paul Cezanne painting, and this artist produced a series of paintings and sculptures depicting single brushstrokes. Several of this artist's works feature a character named "Brad," and in one of this artist's works, Donald Duck exclaims "Look Mickey, I've hooked a big one!" This artist utilized oversized (*) Ben-Day dots in many of his works, including a diptych in which a caption reading "Ahead of me rockets blazed across the sky" sits above a fighter jet, which has just shot another plane. For 10 points, name this American painter of *Whaam!*, a Pop artist famous for drawing from comic strips.**

ANSWER: Roy Lichtenstein

13. **Riots in one city in this country were violently put down by General Bava-Beccaris in 1898. A 1923 law in this country allocated two-thirds of parliamentary seats to the party winning a plurality in its 1924 election. This country underwent the "clean hands" investigation into political corruption during the 1990s, and one of this nation's leaders arranged the Historic (*) Compromise before being kidnapped and killed by the Red Brigades. Another leader of this country was shot and hung from an Esso station after this country switched sides in World War II. For 10 points, name this country which has been led by Aldo Moro and Benito Mussolini.**

ANSWER: Italy [or Italia]

14. **One character created by this author jumps off a bridge after his father sentences him to "death by drowning." Another character created by this author buys a set of identical landscape paintings to get out of a stuffy room, and later discusses a parable in which a man is unable to enter a (*) "doorway to the law" with a priest. This author wrote a short story in which The Officer straps himself into a machine in an attempt to have the words "Be just!" inscribed on his back. In another work by this author, a travelling salesman wakes up to find that he has become an enormous insect. For 10 points, name this author of "In the Penal Colony," *The Trial*, and *The Metamorphosis*.**

ANSWER: Franz Kafka

15. The introduction of *this* leads to “blase attitudes” according to a book by Georg Simmel titled for the “philosophy” of it. Seigniorage [seniorage] is the difference between the value of *this* and the cost of producing it. The total amount of it multiplied by its velocity is equal to P times T in an equation that provides the basis for its (*) “quantity theory.” Gresham’s Law states that the “bad” form of it drives out the “good,” and open-market operations are used to control the “base” amount of it in the economy. For 10 points, name this store of value and medium of exchange in an economy, examples of which include pesos and dollars.

ANSWER: money [accept cash, currency, coins, etc.]

16. The now-destroyed port of Bagdad sat at the mouth of this river, which is the primary inflow of Falcon International Reservoir. This river forms the Elephant Butte Reservoir north of a city that renamed itself after a quiz show in 1950, Truth or Consequences. The Chisos Mountains lie in a region named for this river’s Big (*) Bend. This river has its source near Telluride in the San Juan Mountains of Colorado and passes through Albuquerque before flowing between El Paso and Ciudad Juarez and Laredo and Nuevo Laredo to reach the Gulf of Mexico. For 10 points, name this river that forms the international boundary between Texas and Mexico.

ANSWER: Rio Grande [or Rio Bravo del Norte.]

17. The Wafd Party was founded in the aftermath of this conflict, and a kingdom in Syria founded by Faisal lasted for four months following this conflict. A man made famous by the journalist Lowell Thomas led forces at the Battle of Tafeleh during this conflict, during which an exchange of letters between Henry McMahon and Husayn bin Ali led to the (*) Arab Revolt. The Treaty of Sevres occurred in the aftermath of this conflict, the end of which also led to the May Fourth Movement. The exploits of T. E. Lawrence occurred during this conflict. For 10 points, name this war between the Central and Allied Powers between 1914 and 1918.

ANSWER: World War I [accept the Arab Revolt before read]

18. One song in this musical describes women as “exasperating, irritating, vacillating, calculating, agitating, maddening and infuriating hags!” After deciding to get married, a character in this musical sings a song with the repeated lines “Pull out the stopper! Let’s have a whopper!” That song is “Get Me to the (*) Church on Time.” A key point in this musical occurs when a character is able to say “the rain in Spain stays mainly on the plain” in a non-Cockney accent. For 10 points, name this Lerner and Loewe musical based on George Bernard Shaw’s *Pygmalion* in which Henry Higgins tries to gentrify Eliza Doolittle.

ANSWER: My Fair Lady

19. This object came into being after Poseidon abducted Theophane to the island of Crumissa and slept with her. The source of this object transported Phrixus and Helle away from the sacrificial altar of their stepmother Ino. A test involving a pair of fire-breathing oxen preceded the theft of this object, which was guarded in an oak grove by a dragon that never slept. The quest to obtain this object began after (*) Pelias met a man wearing only one sandal, after which a prince of Iolcus assembled a group of the most famous Greek heroes and set out for Colchis. It was obtained with the help of Medea. For 10 points, name this valuable object sought by Jason and the Argonauts.

ANSWER: the Golden Fleece

20. The speaker of one of this author’s poems asks “The clock indicates the moment — but what does eternity indicate?” and earlier declares “I understand the large hearts of heroes.” The narrator of another poem by this author describes “mystical moist night-air” and how he “look’d up in perfect silence at the (*) stars” after listening to a lecture by the title scientist. This author described sounding his “barbaric yawp” in a long poem that opens with the line “I celebrate myself, and sing myself.” For 10 points, name this American poet of “When I Heard the Learn’d Astronomer,” “Song of Myself,” and the collection *Leaves of Grass*.

ANSWER: Walt Whitman

21. One character in this novel pretends to walk like an Egyptian upon entering the sixth grade, and notes that Mennonites all have blue eyes and don't have buttons. Another character in this novel pretends to be an alcoholic by drinking Coca-Cola from a paper sack. After destroying a bunch of camellia bushes, this novel's protagonist is forced to (*) read the Bible to a morphine-addicted old woman named Mrs. Dubose. On the way home from a Halloween pageant, this novel's protagonist is attacked by Bob Ewell. For 10 points, name this novel in which Tom Robinson is convicted of rape despite being defended by Atticus Finch, a work by Harper Lee.

ANSWER: *To Kill a Mockingbird*

Bonuses

1. This politician oversaw the passage of the Charter of Rights and Freedoms. For 10 points each:

[10] Name this politician who ran on the notion of a “Just Society” in one election, and lost power to Joe Clark’s Progressive Conservatives for one year.

ANSWER: Pierre **Trudeau**

[10] Trudeau hailed from this Francophone province of Canada. Cities in this province include Montreal.

ANSWER: **Quebec**

[10] This other Francophone leader delivered a speech at Montreal’s Expo 67 in which he proclaimed “Vive le Quebec libre!” His rule was termed the “politics of grandeur” by the foreign press, and he took power after a crisis in Algeria.

ANSWER: Charles **de Gaulle**

2. Name the following things related to waves, for 10 points each:

[10] This term refers to waves where the direction of wave undulation is perpendicular to the direction of wave motion. Light is an example of this type of wave.

ANSWER: **transverse**

[10] This term refers to a change in the frequency of waves due to relative motion between the source and observer. For light, this effect causes redshifts and blueshifts.

ANSWER: **Doppler** effect

[10] Waves propagating through a medium have a dispersion relation, which relates wavevectors to frequencies. This speed can be calculated as the derivative of the frequency with respect to the wavevector magnitude, and it’s equal to the rate of propagation of the wave envelope.

ANSWER: **group velocity**

3. This ruler has described his political platform as the “Chinese Dream.” For 10 points each:

[10] Name this current President of the People’s Republic of China and General Secretary of the Central Committee of the Communist Party of China.

ANSWER: **Xi** Jinping

[10] Xi Jinping has pledged \$40 billion to set up a fund for infrastructure investments abroad, a project named for this ancient trade route from China to the Mediterranean.

ANSWER: **Silk Road**

[10] Xi Jinping also oversaw a May 2014 signing of a \$400 billion deal with this Russian state-controlled natural gas company.

ANSWER: OAO **Gazprom**

4. This god is the father of Magni and the husband of the golden-haired Sif. For 10 points each:

[10] Name this Norse thunder god, a son of Odin who wields the hammer Mjollnir.

ANSWER: **Thor**

[10] At Ragnarok, Thor will kill and be killed by Jormungandr, a massive serpent who encircles this realm. Of the nine worlds in Norse mythology, this realm is inhabited by humans.

ANSWER: **Midgard** [accept **Midgard** Serpent]

[10] In another story involving Jormungandr, Thor goes fishing with this giant. Thor catches Jormungandr using an ox head as bait, but this giant is so frightened he cuts the line loose.

ANSWER: **Hymir**

5. This is the most common gas in the atmosphere. For 10 points each:

[10] Name this diatomic gas often used to produce inert environments, which has a triple bond between two atoms of its namesake element.

ANSWER: **nitrogen** gas [accept **dinitrogen**; prompt on “N”]

[10] Nitrogen also forms this polyatomic ion containing three nitrogen atoms and a negative charge. Its sodium salt is used in car airbags.

ANSWER: **azide**

[10] This unstable nitrogen compound is a deep blue solid below -21 degrees Celsius. It is the acid anhydride of nitrous acid.

ANSWER: **dinitrogen trioxide** [accept **N2O3**]

6. The “micro” form of this discipline was adopted for books like Carlo Ginzburg’s *The Cheese and the Worms* and Natalie Zemon Davis’ *The Return of Martin Guerre*. For 10 points each:

[10] Name this discipline approached quantitatively in cliometrics and influenced by Annales [uh-NAL] School members such as Fernand Braudel in the latter half of the 20th century.

ANSWER: **history** [accept **historiography**]

[10] Braudel is best known for an enormous study of life in and around this European body of water in the age of Philip II. Cities such as Venice, Barcelona, and Alexandria play a large role.

ANSWER: the **Mediterranean** [accept *The Mediterranean in the Age of Philip II*]

[10] A much earlier historian of goings-on in the Mediterranean was this Greek “father of history,” who detailed the Persian invasion of Greece in his *The Histories*.

ANSWER: **Herodotus**

7. This case was the result of a challenge by a laundry owner who was fined ten dollars. For 10 points each:

[10] Name this 1908 Supreme Court case that differed from *Lochner v. New York* in its endorsement of sex discrimination to uphold limits on women’s working hours.

ANSWER: **Muller v. Oregon** [accept either]

[10] This man, who would later become the first Jewish Supreme Court justice, wrote a brief for *Muller v. Oregon* that incorporated medical and social scientific data documenting the effects of long hours on women’s health.

ANSWER: Louis **Brandeis**

[10] This President appointed Brandeis to the bench. He earlier sought advice from Brandeis on his administration’s economic policy, which included the creation of the Federal Reserve System.

ANSWER: Woodrow **Wilson**

8. Tetrabenazine is used to treat this disease, whose namesake proteins interact with HIP1 to mediate endocytosis. For 10 points each:

[10] Name this genetic disorder that largely affects the basal ganglia. It is the most common genetic cause of chorea.

ANSWER: **Huntington’s** Disease

[10] Huntington’s disease, along with myotonic dystrophy and Marfan syndrome, are examples of this inheritance pattern. Broken down, its name means it does not occur on the X or Y chromosomes and requires only one gene to occur.

ANSWER: **autosomal dominant** [prompt on partial answer]

[10] Phenotypes can be traced in a family by using this tree-like diagram, which can also be used to determine the hereditary pattern of certain genes. More broadly, this term refers to animals whose entire genealogy is known, and is thus often used synonymously with purebred.

ANSWER: **pedigree**

9. A recent novel by Eleanor Catton follows the prospector Walter Moody's search for gold in this modern-day country. For 10 points each:

[10] Name this setting of *The Luminaries*, also the setting of a novel by Keri Hulme in which the mute child Simon appears at the door of a tower occupied by the hermit Kerewin, *The Bone People*.

ANSWER: **New Zealand**

[10] This female author from New Zealand penned the short stories "Miss Brill" and "The Garden Party."

ANSWER: Katherine **Mansfield**

[10] In another short story by Mansfield, Raoul Duquette encounters the phrase "I do not speak" *this language* multiple times while at a cafe. Guy de Maupassant wrote his short stories in this language.

ANSWER: **French** [or **Francais**, accept "**Je ne parle pas francais**"]

10. This author coined the phrase "the dismal science" to describe economics in an essay arguing for the reintroduction of slavery in the West Indies. For 10 points each:

[10] Name this Scottish essayist, who may be better known for writing the novel *Sartor Resartus* and an 1837 history of the French Revolution.

ANSWER: Thomas **Carlyle**

[10] This other 19th century essayist and art critic penned such works as "On the Pleasure of Hating" and the collections *Table-Talk* and *The Plain Speaker*.

ANSWER: William **Hazlitt**

[10] Both Carlyle and Hazlitt drew inspiration from this earlier essayist, who jokingly suggested that the Irish sell their children as food in his essay "A Modest Proposal." He also wrote *Gulliver's Travels*.

ANSWER: Jonathan **Swift**

11. For 10 points each, answer the following about thinkers who have taken a crack at defining the nature of government.

[10] This Muslim author of the *Muqaddimah* defined the government as an "institution which prevents injustice other than such as it commits itself."

ANSWER: **Ibn Khaldun**

[10] Thomas Hobbes argued that the subjects of a commonwealth cannot lawfully change their form of government once establishing it in this 1651 book, in which he argues for absolute sovereignty.

ANSWER: **Leviathan** or *The Matter, Forme and Power of a Common Wealth Ecclesiasticall and Civil*

[10] This thinker argued that peaceful revolutions are possible if the government recognizes a universal insight developed in response to crisis in his *Lectures on the History of Philosophy*. He also formulated the "thesis-antithesis-synthesis" version of the dialectic.

ANSWER: Georg Wilhelm Friedrich **Hegel**

12. The American artist Sol LeWitt created a series of large, skeletal sculptures using this shape, which titles a series of twenty-eight sculptures created by David Smith before his death. For 10 points each:

[10] Name this shape used in Tony Rosenthal's spinnable sculpture *Alamo* that is also prominent in the sculptures of Donald Judd.

ANSWER: **cubes** or **boxes**

[10] One exhibit by this American artist consisted of identical stacks of replica "Brillo Boxes". This man also directed a film which depicts John Giorno sleeping for six hours, the aptly titled *Sleep*, and worked at a studio nicknamed "The Factory."

ANSWER: Andy **Warhol**

[10] A 1962 work by Warhol consists of thirty-two paintings of these objects produced by Campbell's, bearing names like "Tomato" and "Chicken Noodle."

ANSWER: soup cans

13. This character delivers the line "No one escapes me," at which point another character knocks the pieces of a game over to distract him. For 10 points each:

[10] Name this character who plays chess with the knight Antonius Block in a 1957 film.

ANSWER: **Death** [sure, take the **Grim Reaper**]

[10] That film is *The Seventh Seal*, a work by this Swedish director of *Persona*.

ANSWER: Ingmar **Bergman**

[10] This British comedy troupe parodied *The Seventh Seal* in a scene in which flagellants chant the *Dies Irae* while hitting themselves in the face, which appears in a movie about a search for the Holy Grail. This troupe, whose members included Michael Palin and John Cleese, also created *Life of Brian*.

ANSWER: **Monty Python** [accept **Monty Python and the Holy Grail**]

14. Victorian-era parties sometimes involved the opening of these objects. For ten points each:

[10] Name these artifacts, whose creation usually took forty days. An ingredient used in their creation was gathered from the Wadi Natrun desert, and was called natron.

ANSWER: Egyptian **mummies**

[10] The mummy of this pharaoh was found in an extremely well-preserved tomb by Howard Carter in 1922 in the Valley of the Kings.

ANSWER: King **Tutankhamun**

[10] This man financed the excavation of King Tut's tomb. His death, which was caused by an infected mosquito bite, is often cited as evidence of the "Curse of the Pharaohs".

ANSWER: George (Edward Stanhope Molyneux) **Herbert, Earl of Carnarvon** [accept either underlined part; also accept **Lord Carnarvon**]

15. In computer science, these are step-by-step procedures for calculations. For 10 points each:

[10] Name these finite lists of well-defined instructions for calculating a function. Dijkstra's one calculates the length of the shortest path between two nodes in a weighted graph.

ANSWER: **algorithm**

[10] First formulated by Alfonso Church, this system of mathematical logic attempted to formalize algorithms. This system has a formal syntax and transformation rules, representing computation in terms of functions.

ANSWER: **lambda calculus**

[10] This notation is used in the asymptotic analysis of algorithm runtimes. If a function f is "this" of another function g , then for all sufficiently large x , $f(x)$ is less than or equal to some finite constant times $g(x)$.

ANSWER: **big-O** notation

16. After Muhammad removed hundreds of tribal icons from this building, persecution from his Quraysh tribe forced him to undertake the *hijra*. For 10 points each:

[10] Name this black cuboid structure that serves as the focal point of the *qibla* in Islam.

ANSWER: al-**Ka'aba** [or the **Sacred House**, **Ancient House**]

[10] The Ka'aba is located in the Sacred Mosque in this holiest city of Islam, which serves as the destination of the *hajj*.

ANSWER: **Mecca**

[10] This ritual undertaken during the *hajj* consists of seven counterclockwise circumambulations around the Ka'aba.

ANSWER: **tawaf**

17. This political movement began when Ferdinand VII placed Princess Isabel ahead of his younger brother in the line of succession. For 10 points each.

[10] Name this traditionalist movement which led to three 19th century namesake wars in an Iberian country.

ANSWER: **Carlism** [or **Carlismo**]

[10] Carlism was a movement in this country. The second Carlist War was mostly fought in this country's region of Catalonia.

ANSWER: Kingdom of **Spain** [accept Reino de **España**]

[10] Isabella II was deposed during this event which occurred during the Carlist Wars. A similarly named event in England led to the drafting of the Bill of Rights of 1689.

ANSWER: **Glorious Revolution** [or La **Gloriosa**]

18. One character in this play pontificates that "A great meal fades in reflection. Everything else gains." in a lengthy monologue delivered to James Lingk in a Chinese restaurant. For 10 points each:

[10] Name this play, which ends with that character, Ricky Roma, demanding half of the commissions earned by Shelly Levene.

ANSWER: **Glengarry Glen Ross**

[10] The work environment in *Glengarry Glen Ross* might be figuratively toxic, but the one in this Upton Sinclair novel centering on the Lithuanian immigrant Jurgis Rudkus' experiences in the meatpacking industry is literally toxic.

ANSWER: *The **Jungle***

[10] *The Jungle* and *Glengarry Glen Ross* are set in this American city, also the setting of *Sister Carrie* and *The House on Mango Street*.

ANSWER: **Chicago**

19. This composer's F minor Piano Sonata No. 3 is nicknamed "Concerto Without Orchestra." For 10 points each:

[10] Name this composer, who included "Blind Man's Bluff" as one of thirteen "scenes from childhood," or *Kinderszenen*. His other works for piano include some impromptus on a theme by Clara Wieck.

ANSWER: Robert **Schumann**

[10] This E-flat major symphony by Schumann, written after a trip to the Cologne Cathedral, was the last he chronologically composed.

ANSWER: Symphony No. **3** or **Rhenish**

[10] Schumann dedicated his *Dichterliebe* to Wilhelmine Schroder-Devrient, a singer in this vocal range. This highest vocal range sits above alto.

ANSWER: **soprano**

20. The title character of this novel seduces the hotel owner Madame Hortense with the help of a cimbalom. For 10 points each:

[10] Name this novel in which the title character and narrator travel to Crete to open a lignite mine.

ANSWER: **Zorba the Greek**

[10] *Zorba the Greek* is a work by Nikos Kazantzakis, whose best-known novel is titled after the "last temptation" of this religious figure. In the Bible, this figure is presented with the phrase "Ecce homo" by Pontius Pilate.

ANSWER: **Jesus Christ** [accept either, accept *The **Last Temptation of Christ***]

[10] Another literary work centering on Jesus is this Portuguese author's *The Gospel According to Jesus Christ*. He also penned *The Stone Raft* and *Blindness*.

ANSWER: Jose **Saramago**