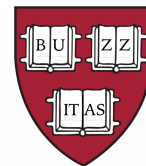


Harvard Fall Tournament XII

Edited by Raynor Kuang

Questions by Raynor Kuang, Jiho Park, Robert Chu, Alex Cohen, Michael Yue, Erik Owen, Jonathan Suh, Roger Jin, Michael Horton, Sriram Pendyala, and Josh Xiong



Round 11

Tossups

1. In one story, this figure was tricked into filling a massive hole with food to buy an apparently beautiful cloak which was really just covered in flies. This figure's mother was the fertility goddess Asase Ya, and he used an empty calabash gourd to trap some insects. This god captured creatures like Osebo the Leopard, whom he exchanged with the (*) sky god Nyame for all the world's stories. Many of these figure's stories were imported to the New World in the form of the character Br'er Rabbit, such as one where he became stuck after angrily striking a tar baby. For 10 points, name this African trickster god who takes the form of a spider.

ANSWER: Anansi (prompt on Br'er Rabbit by asking, "Who is the original deity?") <Kuang>

2. A poem by this author mentions the "silver liquid drops" of the title phenomenon before declaring that the speaker "loves" that phenomenon. This poet of "April Rain Song" and the collection *Fine Clothes to the Jew* described hearing "down on Lenox Avenue" a "drowsy syncopated tune" in the poem (*) "The Weary Blues." In a poem by this man, the speaker states that, despite being sent "to eat in the kitchen / when company comes," "I, too, am America." A poem by this man references building a hut near the Congo and looking upon the Nile. For 10 points, name this author of "The Negro Speaks of Rivers," a poet of the Harlem Renaissance.

ANSWER: (James Mercer) Langston Hughes <Cohen>

3. Charlotte Dupuy sued this man for her freedom after being a slave at his hemp plantation at Ashland. He presided over the first meeting of the American Colonization Society and ran on the National Republican ticket in an unsuccessful attempt to defeat Andrew Jackson. This man proposed the (*) "American System," and he became Secretary of State after supporting John Quincy Adams in the "Corrupt Bargain." This man's most famous nickname alludes to his role in agreements named for "Missouri" and "1850." For 10 points, name this "Great Compromiser," a politician from Kentucky.

ANSWER: Henry Clay Sr. <Chu>

4. This process is used to minimize the output of the Coleman-Sagan equation, and the D-value measures the degree of this process. Ethylene oxide and nitrogen dioxide are used in the low-temperature variant of this process. F_0 ["f-sub-zero"] refers to the equivalent time it takes to achieve this using (*) steam at 121 degrees Celsius. It's not pasteurization, but pascalization and irradiation are used to perform this process on food, and it can be done using an autoclave. Medical equipment is subjected to this process instead of disinfection. For 10 points, give this general term for a cleaning process that eliminates all microbiological organisms.

ANSWER: sterilization (accept word forms) <Park>

5. This man was arrested after being misled into a meeting with Jean-Baptiste Brunet, whereupon this man declared, "[...] you have cut down only the trunk of the Tree of Liberty." Gabriel Hédouville attempted to undercut this leader by forcing the War of the Knives between him and his southern rival André Rigaud. This man was succeeded in his efforts by Jean-Jacques (*) Dessalines, and most of the French forces sent to fight him perished from yellow fever. After leading a revolt in Saint-Domingue, this man became known as the "Black Spartacus." For 10 points, name this man who led a slave revolution in the colony that would become Haiti.

ANSWER: (Francois Dominique) Toussaint L'Ouverture (or Toussaint Breda) <Kuang>

6. One poem by this man describes a bleak landscape where the “sedge has withered from the lake,” and describes a figure who is lulled into an “Elfin grot” by a figure who’s also seduced “pale kings and princes too.” The speaker asks (*) “what can ail thee, knight-at-arms?” to open this man’s poem “La Belle Dame Sans Merci.” In one of this man’s poems, the speaker contemplates a “foster-child of silence and slow time,” viewing the painted figures on its “Attic shape” and arguing that “beauty is truth, truth beauty.” For 10 points, name this Romantic poet, the author of several odes such as “Ode on a Grecian Urn.”

ANSWER: John Keats <Cohen>

7. Alexander Gauland declared his party would “hunt” this leader in September 2017, and Alexander Lindner contrasted this leader’s immigration policy with his own “four-door” policy. This leader spoke of an “extraordinary challenge” in a speech promising “good politics” to win back those who voted for the (*) AfD. This leader unsuccessfully sought a Jamaica coalition after the SPD initially declined to continue its grand coalition with the Christian Democratic Union. This leader led her party to victory in the 2017 Bundestag elections, and is considered the *de facto* leader of the European Union. For 10 points, name this first female chancellor of Germany.

ANSWER: Angela Dorothea Merkel (accept Angela Dorothea Kasner) <Park>

8. Some sources attribute a chapter to this book that proclaims “the mountains cannot witness to God,” and is usually labeled as “outside the number.” The 119th chapter of this book opens with the phrase “Blessed are those whose way is blameless,” is the longest in the Bible, and begins each stanza with a different letter of the (*) Hebrew alphabet. Its Hebrew title is *Tehillim*, meaning “praises.” The 23rd chapter of this book describes walking through “the valley of the shadow of death” and declares that “the Lord is my shepherd; I shall not want.” For 10 points, name this Biblical book mostly consisting of poems written by David.

ANSWER: Book of Psalms (accept Tehillim before read) <Owen>

9. A ruler from this dynasty delineated the four main types of evil spirits in his book on black magic, the *Daemonologie*. Irish allies of a king from this house gave him a fecally-inspired nickname after he fled a defeat at the Battle of the Boyne. The replacement of this house by another was confirmed by the (*) Act of Settlement, and a queen from it presided over the Act of Union between England and Scotland. The Gunpowder Plot targeted a man from this notably Catholic British house. For 10 points, name this British royal house of Queen Anne, Charles I, and two Jameses.

ANSWER: House of Stuart <Chu>

10. A player of this instrument founded the group Return to Forever and launched the career of fellow player Hiromi Uehara, and James P. Johnson pioneered a playing style for it named “stride.” A trio led by a player of this instrument released a three-four piece written for his niece called “Waltz for Debby.” Fats Waller and Chick Corea played this instrument, as did the composer of the standard (*) “Straight No Chaser.” Like the guitar, this instrument is often used in jazz for its ability to play chords. Bill Evans and Thelonious Monk played--for 10 points--what instrument, whose performance is sometimes nicknamed “tickling the ivories?”

ANSWER: pianoforte (or keyboard) <Chu>

11. This man showed that the viscosity of gases was independent of their pressure, a result first verified by him and his wife Katherine. A set of equations involving the second derivative of each thermodynamic potential with respect to their natural variables is named for this physicist, and he proposed the displacement current as a modification to (*) Ampere’s Law. A thought experiment proposed by this physicist considers a figure that separates gas particles by their speed and apparently decreases entropy; that figure is this man’s namesake “demon.” For 10 points, name this Scottish physicist who described electromagnetism in a set of four namesake equations.

ANSWER: James Clerk Maxwell <Xiong>

12. **This letter prefixes baryons made up of three up or down quarks, and in mathematics it symbolizes the modular discriminant, symmetric difference, and the Laplace operator. A function described by this letter models the density of a point charge and is named for Paul (*) Dirac. A quadruple bond contains one sigma bond, two pi bonds, and one bond described by this letter. Heat must be added to a reaction if this letter is present in the chemical equation, and this letter denotes a change in a quantity. For 10 points, name this fourth letter of the Greek alphabet whose uppercase form resembles a triangle.**

ANSWER: delta <Park>

13. **One character created by this author has a recurring dream of being shoved by an unknown force into a large black sack, and dies after screaming the letter “O” for three consecutive days. That character created by this author uses his servant as a footstool before dying due to a fall while hanging curtains. This author of *The (*) Death of Ivan Ilyich* wrote a book in which a tragic affair with Count Vronsky prompts the title character to throw herself in front of a train, as well as one set during the Napoleonic invasion of Russia. For 10 points, name this Russian novelist, the author of *Anna Karenina* and *War and Peace*.**

ANSWER: Leo Tolstoy <Chu>

14. **One TV character in this city visits a hardware store to buy a nail gun and was played by the notably young Felicia Pearson. The book *Homicide: A Year on the Killing Streets* chronicles this city, and the episode *Old Cases* was set in this city and shows two characters communicating only saying the “F”-word. Avon Barksdale, Stringer Bell, and (*) Omar Little appeared in a show set in this city and created by David Little, and each season of a show set in this city focuses on one aspect of this city like the media, the government, the seaport, and the drug trade. For 10 points, name this city that serves as the setting of the HBO show *The Wire*.**

ANSWER: Baltimore, MD <Kuang>

15. **One painting in this group of works consists entirely of two brown swaths of paint, except for a small picture of the title animal’s head. A work in this group of works allegorizes civil war using two men knee-deep in mud swinging sticks at each other. This group of works includes *The Dog* and (*) *Fight with Cudgels* and was originally created on the walls of its artist’s reclusive home the Villa of the Deaf Man. The most famous painting in this set shows a crazed, long-haired man chewing a bloody baby’s arm. *Saturn Devouring His Son* is a member of, for 10 points, what set of paintings by Francisco Goya named for a single, dark color?**

ANSWER: Black Paintings (or Pinturas Negras) <Chu>

16. **A shepherd is legendarily said to have discovered this man’s sword, which he claimed belonged to Mars. Valentinian III’s sister Honoria begged him to help her out of an arranged marriage, whereupon this man married her instead. Jordanes claims this man came to power after killing his brother (*) Bleda during a boar hunt. A coalition of Flavius Aetius and Theodoric I’s Visigoths stopped this man’s invasion of Gaul, and he reportedly died from a nosebleed on his wedding night. Pope Leo I supposedly dissuaded this man from invading Italy. For 10 points, name this “Scourge of God,” a leader of the Huns.**

ANSWER: Attila the Hun <Chu>

17. **He’s not Plato, but this man wrote a dialogue called *De re publica*. This man asks a man when he means to “cease abusing our patience” in a work in which he decries “Oh the times! Oh the morals!” This man wrote the original fiery “philippics,” and the rediscovery of this man’s letters in the 14th century is widely credited with initiating the Renaissance in Europe. This man attacked a conspiracy being led by (*) Catiline, and Plutarch’s *Parallel Lives* pairs this man with Demosthenes. This man was killed and his corpse displayed in the Forum in revenge for his political speeches. For 10 points, name this widely influential Roman orator.**

ANSWER: Marcus Tullius Cicero <Cohen>

18. This composer began a work with the piano playing *forte* octave triplets in the right hand. His last piano sonata in B-flat major contains a low F-G-flat trill, and Liszt transcribed his C-major *Wanderer Fantasy*. This composer's fourteenth string quartet in D minor includes variations on his song "Death and the (*) Maiden," and he composed a *lied* ["leed"] about the demonic "Erlking." This composer set poems by Wilhelm Müller describing a man falling in love with a miller's daughter to music in one of his many song cycles. For 10 points, name this Romantic composer who failed to finish his eighth symphony in B minor.

ANSWER: Franz Schubert <Yue>

19. This man proposed the "helicopter money" idea to illustrate the effects of unexpected government intervention on inflation. This man and Leonard J. Savage name a utility function whose curvature depends on wealth of the individual. This man's "k-percent rule" (*) states the central bank should increase the money supply by a constant percentage every year regardless of business cycles, and with his wife, wrote a work that examined the role of the money supply in American history. For 10 points, name this author of *A Monetary History of the United States* and *Capitalism and Freedom*, a monetarist of the Chicago school.

ANSWER: Milton Friedman <Suh>

20. A compound with this element *beta* to a double bond attacks a carbonyl group in the first step of the Sakurai reaction. This element is bound to an oxygen atom and three methyls as part of the protecting group TMS, and a compound made of this element and four methyl groups is used as a standard reference in (*) NMR. This element can be purified through vapor deposition in the Siemens process. A "wafer" of this element is commonly used in electronics, and this element reacts with oxygen to form sand. For 10 points, name this metalloid frequently used in semiconductors.

ANSWER: silicon (prompt on Si) <Park>

21. The narrator of this work becomes obsessed with a piece of coral embedded in glass during a trip to an antiques store. The narrator of this book reads about "Oligarchical Collectivism" and the creation of the "three great super-states" in a book procured from a coworker who initiated him into the secret (*) "Brotherhood." O'Brien turns on the narrator in this book and tortures him with rats in "Room 101," causing him to renounce his lover Julia. In the final scene in this work the narrator realizes he finally "loves Big Brother." For 10 points, name this George Orwell novel about Winston Smith's rebellion in dystopian England.

ANSWER: 1984 <Horton>

Bonuses

1. One building by this architect includes a famous staircase whose banister and walls contain curved lines resembling growing vines. For 10 points each:

[10] Name this Belgian architect of the Hôtel Tassel.

ANSWER: Victor (Pierre) **Horta**

[10] The Hôtel Tassel was the first building designed according to the ideals of this very decorative art movement. Other examples from this movement include Alphonse Mucha's posters, and it was succeeded by Art Deco.

ANSWER: **Art Nouveau**

[10] The Art Nouveau designer Hector Guimard is most famous for designing the entrance to these sorts of places in Paris. Harry Beck designed the first map of London's places of this type where residents can enter the Tube.

ANSWER: **subway stations** (or **metro stations**; or **underground stations**; accept **stops** for **stations**) <Chu>

2. The narrator of this novel opens by saying that its purpose is to explore "human nature." For 10 points each:

[10] Name this comic novel in which Squire Allworthy returns home from a business trip to find an abandoned child sleeping in his bed. That child gets in a fight with Blifil and finds out that his mother is Bridget.

ANSWER: *The History of* **Tom Jones**, *a Foundling*

[10] This playwright and author of works like *Joseph Andrews* and *Shamela* wrote *Tom Jones*.

ANSWER: Henry **Fielding**

[10] Fielding was a prolific writer of works of this type, like *The Tragedy of Tragedies* and the aforementioned *Shamela*. Juvenal was a prominent writer in this style that's used to comically mock a subject.

ANSWER: **satire** (accept word forms; anti-prompt [ask for less specific] on **parody**) <Cohen>

3. Answer some questions about the wonderful world of pharmacology, for 10 points each:

[10] The Caco-2 permeability assay is used to model the absorption of drugs in this organ, which is divided into the duodenum, jejunum, and ileum. This organ is connected to its "large" companion at the ileocecal junction.

ANSWER: **small intestine**

[10] In pharmacokinetics, C_{max} refers to the peak drug concentration in this substance. This yellowish liquid is distinguished from serum due to the absence of clotting factors like fibrinogen.

ANSWER: blood **plasma**

[10] Genetic polymorphisms in this superfamily of drug-metabolizing proteins affect how different populations respond to certain drugs. Grapefruit juice and St. John's wort inhibit the 3A4 isoform of these proteins.

ANSWER: cytochrome **P450** monooxygenases <Park>

4. During the Norway Debates, this man claimed that he had "friends in the House," but was removed from power. For 10 points each:

[10] Name this British Prime Minister who ironically proclaimed his achievement of "peace for our time" after he signed the Munich Agreement.

ANSWER: Neville **Chamberlain**

[10] This Canadian-born British Prime Minister worked alongside Neville's brother Austen, before dying from throat cancer in 1923. He remains the only Prime Minister born outside of the British Isles.

ANSWER: Andrew Bonar **Law**

[10] After succeeding Chamberlain as Prime Minister, this man more successfully steered Britain through most of World War II.

ANSWER: Winston **Churchill** <Suh>

5. Get your Ikea meatballs out and prepare for some questions on Swedish literature, for 10 points each:

[10] This classic children's character was created by Swedish writer Astrid Lindgren. This character has red pigtails, and her surname refers both to her choice item of clothing and her actual family surname.

ANSWER: **Pippi Longstocking** (accept either or both names together)

[10] This surrealist and expressionist Swedish playwright wrote both *Miss Julie* and *The Ghost Sonata*.

ANSWER: (Johan) August **Strindberg**

[10] Strindberg also wrote this play about a daughter of the Vedic god Indra who descends to Earth. In this play, a wide cast of symbolic characters show Agnes the harsh realities of life as a human before she decides they're to be pitied.

ANSWER: *A **Dream Play*** <Cohen>

6. Celebrate the Church of Quizbowl by identifying some things in actual churches, for 10 points each:

[10] This is hand gesture done after being blessed or immediately after receiving the Eucharist. It corresponds to "the Father, the Son, and the Holy Spirit."

ANSWER: **sign of the cross** (writer's note: accept the physical motion I guess)

[10] This item is used to store consecrated hosts. The altar lamp is lit when consecrated hosts are present in it. The original one of them was used to house the Ark of the Covenant.

ANSWER: **tabernacle** (or The **Tabernacle**)

[10] This item is worn by Catholic officials. There are three types depending on the service: the auriphrigiata, pretiosa, or simplex.

ANSWER: **mitre** (accept **miter**, prompt on **hat**) <Horton>

7. The second movement of a work by this composer contains an *Ancora più mosso* theme in 5/4 time played in fifths. For 10 points each:

[10] Name this composer who wrote a work depicting the title objects "of the Villa Borghese," "Near a Catacomb," "of the Janiculum," and "of the Appian Way."

ANSWER: Ottorino **Respighi**

[10] The aforementioned work described the "Pines" of this European city, which Respighi also titled a broader tone-poem trilogy after. The first movement of the *Festivals* piece describing this city depicts gladiator matches.

ANSWER: **Rome** (or **Roma**)

[10] This composer depicted Rome in the final chorus of his five-act grand opera, *Les Troyens*. He also illustrated a "March to the Scaffold" in his *Symphonie fantastique*.

ANSWER: Hector **Berlioz** <Yue>

8. The first line of the Marines' Hymn references the Mexican-American War and this other conflict. For 10 points each:

[10] Name these conflicts in which the U.S. Navy sought to prevent North African pirates from disrupting shipping in the Mediterranean.

ANSWER: **Barbary** Wars (accept **First Barbary** War; accept **Second Barbary** War)

[10] The First Barbary War was fought while this man was U.S. president. He signed the Embargo Act to protest British impressment of American sailors, which would lead his successor James Madison into the War of 1812.

ANSWER: Thomas **Jefferson**

[10] During the war, Stephen Decatur became a hero after leading a raid to destroy the USS *Philadelphia* before it was captured by pirates, but Decatur's career would come to an abrupt end in 1820 when he died in this manner.

ANSWER: being killed in a **duel** (prompt on **manslaughter**; prompt on **murder**; prompt on getting **shot**) <Chu>

9. This law is a only a first order approximation of the real action of springs. For 10 points each:

[10] Name this law which states that the force of a spring equals negative the spring constant times displacement.

ANSWER: **Hooke's** Law

[10] A system that obeys Hooke's Law undergoes the "simple" kind of this motion. The simple kind of this motion is exemplified by pendula and springs.

ANSWER: simple **harmonic** motion (accept simple **harmonic** oscillator; accept **SHM** or **SHO**)

[10] Systems of coupled oscillators can exhibit the "normal" kind of this motion where all oscillators move with the same frequency. Generally, any motion of a system is a superposition of the "normal" ones of these states.

ANSWER: normal **modes** <Jin>

10. A film about a "robbery" of one of these vehicles ends with a man shooting a gun at the camera. For 10 points each:

[10] Name these vehicles. An 1895 Lumière film showing one of them arriving at La Ciotat Station apocryphally caused members of the audience to scream and run away.

ANSWER: **train** (accept equivalents like steam **locomotive**)

[10] Dziga Vertov placed a camera on a moving train in this highly influential early documentary film. It showed Soviet city life with groundbreaking techniques like freeze frames and self-reflexive visuals.

ANSWER: **Man with a Movie Camera** (or **Chelovek s kinoapparatom**)

[10] This director tracked a walking character's feet before reaching another character in his *Strangers on a Train*. A train famously rushes into a tunnel in the final shot of his *North By Northwest*.

ANSWER: Alfred **Hitchcock** <Yue>

11. Given a square matrix, the Cayley-Hamilton theorem states that plugging the matrix into this polynomial will result in the zero matrix. For 10 points each:

[10] Name this polynomial, which has solutions equal to the eigenvalues of a square matrix.

ANSWER: **characteristic** polynomial (or **characteristic** equation)

[10] The characteristic polynomial of a matrix A can be computed as this operation of $tI - A$ ["t times the identity matrix minus A"]. This operation is commonly computed for a two by two matrix as $ad - bc$ ["a d minus b c"].

ANSWER: **determinant**

[10] Speaking of the identity matrix, the identity matrix consists of this value down the diagonal and zero everywhere else. Consequently, multiplying the identity matrix by any matrix A gives A back.

ANSWER: **one** <Xiong>

12. The decline of this empire began with incursions by a group sometimes called the "White Huns." For 10 points each:

[10] Name this ancient Indian empire, part of its "Golden Age." It was ruled by two rulers whose names began with "Chandra," but it shouldn't be confused with the earlier Mauryan dynasty.

ANSWER: **Gupta** Empire

[10] Literature in this language flourished during the Gupta Empire. Many ancient Indian texts like the Upanishads and Rig Veda were written in this language.

ANSWER: **Sanskrit**

[10] Both the Gupta and Mauryan empires originate in this smaller kingdom in the modern state of Bihar. Alexander the Great's army mutinied as they approached this kingdom, and Alexander was forced to turn back.

ANSWER: **Magadha** <Kuang>

13. Works in this form include accompaniment from the Tayu as well as the musicians of the shamisen. For 10 points each:

[10] Name this traditional form of Japanese theater, in which most of the actors wear black robes and hoods to blend into the background.

ANSWER: **bunraku** (or **Ningyō jōruri**)

[10] Bunraku theater is notable for its use of these traditional items in performances. Carlo Collodi first wrote a children's novel about one of these items that becomes a donkey, is sold into the circus, and is swallowed by the Terrible Dogfish.

ANSWER: **puppets** (or **marionette**; yes, *that's Pinocchio being described*)

[10] Bunraku dramatist Chikamatsu Monzaemon wrote two plays featuring this kind of event at Sonezaki and Amijima. Romeo mistakenly does this, shortly before Juliet wakes up and does it as well.

ANSWER: love **suicide** (accept double **suicide** or **shinjū**; accept *The Love **Suicides** at Sonezaki* or *The Love **Suicides** at Amijima*) <Cohen>

14. For 10 points, name these things related to experiments conducted by Stanley Milgram that aren't his famous obedience experiment:

[10] Milgram worked with the makers of *Medical Center* to study if performing this activity could affect antisocial behavior. People have sounded the alarm since the 50s on the amount of violence consumed while doing this action.

ANSWER: **watching television** (accept obvious equivalents like **TV** in place of television)

[10] Milgram studied people who do this action after finding an item either lost by charitable organizations or by reviled groups like "Friends of the Nazi Party." He also studied how many times this action was performed in the small world experiment.

ANSWER: **mailing** a package or letter (accept obvious equivalents; prompt on "**sending** something" or "**passing** it on" and other obvious equivalents; the final answer must clearly allude to a form of postal behavior)

[10] Milgram also coined this term for the type of person you regularly see, but whom you never actually interact with. Other quizbowl players at this tournament might be an example.

ANSWER: **familiar stranger** (accept exact phrase only) <Kuang>

15. The writing system of this state's official language will change from the Cyrillic alphabet to the Latin alphabet due to Presidential Decree 569. For 10 points each:

[10] Name this Central Asian country with capital at Astana that is also the world's largest landlocked country. Minority languages spoken in this country include Uzbek, Tajik, and Kyrgyz.

ANSWER: Republic of **Kazakhstan** (or **Qazaqstan** Respy'bli'kasy)

[10] This leader of Kazakhstan issued Presidential Decree 569. He previously served as First Secretary of the Communist Party of the Kazakh Soviet Socialist Republic.

ANSWER: Nursultan Abishuly **Nazarbayev**

[10] Nazarbayev is also the chairman of the Nur Otan party, which in 2015 signed a cooperation agreement with this largest political party in Russia, whose incoherent ideology can best be described as "pro-Putin".

ANSWER: **United Russia** (or **Yedinaya Rossiya**) <Park>

16. Historically, the art of textiles predates the formalization of Greco-Roman myths. Nevertheless, answer some Greco-Roman mythology questions about it, for 10 points each:

[10] This goddess engaged in a weaving contest against Arachne, turning her into a spider at the contest's end. This goddess of wisdom was born fully aged from Zeus's head.

ANSWER: Athena

[10] This god wove a golden net to trap his wife Aphrodite cheating on him with Ares, then collected the other Olympians to laugh at the entangled adulterers.

ANSWER: Hephaestus

[10] The Minyades, unlike Arachne, loved Athena and weaving so much they skipped this god's namesake Mysteries to work at the loom. In his wrath, this god drove the sisters mad and turned their weaves into milk and nectar.

ANSWER: Dionysus (accept Bacchus) <Owen>

17. This man gained the leadership of his party following the death of the quite generically named John Smith. For 10 points each:

[10] Name this British PM, a Labour politician in power from 1997 to 2007. He controversially led Britain into the Iraq War following US troops.

ANSWER: Tony Blair

[10] Blair helped negotiate this 1998 "agreement" that helped bring end the violent Troubles in Northern Ireland.

ANSWER: Good Friday Agreement (or Belfast Agreement)

[10] Many have argued that this document containing minutes of a 2002 British government meeting was an apparent smoking gun showing Bush's government knowingly misled the US about entry into the Iraq War.

ANSWER: Downing Street memo (or Downing street minutes) <Kuang>

18. One character in this novel descends into alcoholism after pining for the Hollywood star Rosemary. For 10 points each:

[10] Name this novel that follows the exploits of the Divers. Nicole divorces her husband at its end.

ANSWER: Tender is the Night

[10] *Tender is the Night* was written by this author, who also wrote works set in the partygoing early 20th century like *The Last Tycoon* and *The Great Gatsby*.

ANSWER: F(rancis) Scott Fitzgerald

[10] In a Fitzgerald short story titled for one of these gems "as Big as the Ritz," John T. Unger discovers that the Washingtons own a mountain made entirely out of this stone.

ANSWER: diamond <Cohen>

19. For 10 points each, answer some questions about French chemist Paul Sabatier:

[10] The products of the Sabatier process are methane and this polar inorganic compound. The Fischer-Tropsch process is sometimes coupled with this compound's namesake gas-shift reaction.

ANSWER: water (accept dihydrogen monoxide)

[10] Sabatier studied catalysts described by this adjective, whose phases are different from the reactants and products. Mixtures described by this adjective are not uniform in composition.

ANSWER: heterogeneous

[10] Sabatier shared the 1912 Nobel Prize in Chemistry with Victor Grignard, whose namesake reagents contain this alkaline earth metal. The sulfate of this metal is Epsom salt.

ANSWER: magnesium (prompt on Mg) <Park>

20. One character in this film says her name is Rita after seeing a Rita Hayworth poster on a wall. For 10 points each:

[10] Name this film, in which Betty and Rita visit Club Silentio, pass by Winkie's diner, and investigate a car accident on the title street in an attempt to piece together Rita's identity.

ANSWER: **Mulholland Drive**

[10] *Mulholland Drive* was written and directed by this director of *Eraserhead* and *Lost Highway* whose pioneering TV show *Twin Peaks* was recently rebooted on Showtime.

ANSWER: David **Lynch**

[10] *Twin Peaks* originally aired on this channel in the early 1990s, alongside shows like *Family Matters* and *Full House*. This channel has seen recent success at the Emmys with its sitcom *Modern Family*.

ANSWER: **ABC** (accept **American Broadcasting Company**) <Yue>

21. Bioactive forms of these compounds include GA1 and GA3. For 10 points each:

[10] Name these plant hormones that regulate stem elongation, leaf expansion, and trichome development. They were first discovered by Eiichi Kurosawa while he was studying foolish seedling disease.

ANSWER: **gibberellins**

[10] Gibberellins are also important to this process, in which a seedling sprouts from a seed after a period of dormancy. Other factors that affect this process include moisture levels and temperature.

ANSWER: **germination** (accept word forms)

[10] Gibberellin signalling involves the proteasomal destruction of these proteins, which localize in the nucleus and are thought to act as transcriptional regulators. Members of this family of proteins include RGA and GAI.

ANSWER: **DELLA** proteins <Park>