

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 13

Tossups

1. **Still lifes of objects in these places are a favorite subject of photorealist Ralph Goings. A police officer peers at a runaway boy next to him in one of these places in a Norman Rockwell work, and several red and brown murals were made by Mark Rothko to hang in one of these establishments in the (*) Seagram Building.** The painting *Chop Suey* shows two women in one of these places, and in another work, a man in a suit and fedora sits next to a woman in a red dress in one of these places, above which sits a sign for Phillies cigars. For 10 points, name these establishments, a late night example of which serve as the setting of Edward Hopper's *Nighthawks*.

ANSWER: restaurants (or diners; or cafés; accept any synonym referring to places where one can buy a meal, but do not accept or prompt on "bar") <Chu>

2. **In this state, Barnett Walensky was convicted of negligent homicide after 492 people died in a fire at the Coconut Grove nightclub. A distillery holding tank in this state's largest city burst in 1919, causing a flood of molasses that killed 21 people. A trial presided over by Webster Thayer in this state centering around a shoe factory robbery led to the execution of two (*) anarchist Italian-American immigrants. Sacco and Vanzetti were executed in this state, which is also where Whitey Bulger's gang operated in its largest city's "Southie" neighborhood.** For 10 points, name this most populous state in New England.

ANSWER: Commonwealth of Massachusetts <Chu>

3. **The Bergman cyclization involves compounds with two of these functional groups. A poisoned catalyst containing lead and quinoline reduces these compounds, and is called Lindlar's catalyst. The simplest of these compounds can be made by hydrolyzing calcium carbide and is useful for its high (*) combustion temperature of 3600 Kelvin.** The functional group characterizing these compounds has *sp*-hybridization and is formed from one sigma and two pi bonds. Acetylene is the simplest example of these compounds. For 10 points, name these organic compounds with a carbon-carbon triple bond, contrasted with *alkanes* and *alkenes*.

ANSWER: alkynes (do not accept or prompt on "alkanes" or "alkenes") <Pendyala>

4. **A discussion about how jaguars have "the fear of pain and the fear of death" takes place as Rainsford travels to one of these locales. General Zaroff discusses former experiences hunting while in one of these geographic areas in a Richard Connell story set in one of them. (*) "Beast-People" created by a scientist through vivisection take control of one of these locales at the end of a book titled for one of them. General Jim Hawkins meets Long John Silver while sailing to one of these locations to find Captain Flint's treasure.** For 10 points, give these geological locales, which include one of "Dr. Moreau" in a book by H.G. Wells and one of "Treasure" in a book by Robert Louis Stevenson.

ANSWER: islands (accept isles; accept specific examples; prompt on jungle and synonyms by saying "a jungle where?") <Horton>

5. A character in this opera questions “the people’s faith” and later remembers a cross around a fellow soldier’s neck. A character in it sings several high D–B-flat phrases in an aria after another character attempts to protect a girl from being whipped; that character in this opera notes “this is prophetic” before a performance of (*) *The Red Detachment of Women* in the Summer Palace. “The Three Main Rules of Discipline” are sung before the title figure disembarks from The Spirit of ‘76 in this opera, whose original draft contained “The Chairman Dances.” For 10 points, name this minimalist opera by John Adams regarding a presidential visit to the country of Mao Zedong.

ANSWER: Nixon in China <Yue>

6. This man wrote a novel ending with a man sealing his journal to hide details he’s observed while a passenger on a converted man-of-war, as well as one ending with the reveal that the title character didn’t actually survive the opening shipwreck. The most famous novel by this author of *Rites of Passage* and *Pincher Martin* ends with a naval officer arriving amidst what he believes are some (*) children’s “fun and games.” Symbols from that book by this man include a conch shell, a pig’s head on a stick, and Piggy’s broken glasses. For 10 points, name this British author who described a group of schoolboys disastrously interacting on an island in *The Lord of the Flies*.

ANSWER: (Sir) William Golding <Cohen>

7. Water’s stopping power is used to explain why Britain never conquered Continental Europe in a book about the “Tragedy” of this thing by John Mearsheimer. This is the *first* word in the title of a work that considers “dying metaphors” and “meaningless words,” as well as in the title of one arguing the state has a monopoly on (*) physical violence. This work appears “as a Vocation” in the title of a Max Weber essay, and it’s paired with “the English language” in a George Orwell essay. A work with this title describes the operations of the Greek city-state, or *polis*, and was written by Aristotle. For 10 points, give this term for the study of power and governance.

ANSWER: politics (accept *The Tragedy of Great Power Politics*, “Politics and the English Language,” “Politics as a Vocation,” or just Politics) <Jin>

8. A character in this play admits a sin of prodigally spending on sweets before popping one in his mouth. In Act Three of this play, a character claims he and Anya are “above love,” to which the main character responds she must be “beneath love.” Characters in this play include Trofimov, Gayev, Varya, and a merchant from the lower social classes, (*) Lopakhin. At the end of this play, Firs lies down on a couch after being locked in an empty house as the sound of axes is heard. Madame Ravensky returns to her family estate in this play as it’s auctioned off and the title plot is chopped down. For 10 points, name this play by Anton Chekhov.

ANSWER: *The Cherry Orchard* (or *Vishnevyy sad*) <Cohen>

9. The angiosperm radiation theory and the visual predation theory attempt to explain the origin of this animal order. The Haplorhini clade within this order has non-functional copies of *GULO*, and are thus unable to synthesize vitamin C. One species in this order has a mutation in the gene *FOXP2* that provides an unusual capacity for (*) language, and an early member of this order was *Australopithecus*, of which the fossil Lucy was a member. Most members of this order possess opposable thumbs. For 10 points, name this order within the class Mammalia that includes lemurs, gorillas, and humans.

ANSWER: primates (or Primates; anti-prompt on specific primates like lemurs, gorillas, humans, monkeys, chimpanzees, orangutans, gibbons, tarsiers, lorises, galagos, etc.) <Park>

10. A king with this name joined John of Bohemia and Peter of Bourbon in a crusade against the Lithuanians and led an army of 200,000 horsemen against the Golden Horde. A Capetian king possessed this name, as did a king with this name who was the last Jagiellonian ruler of Hungary and died at the Battle of (*) Mohacs [“mo-HOT-ch”]. A king of this name died of dysentery during the Eighth Crusade and was canonized, and one king with this name repealed the Edict of Nantes and declared “I am the state.” For 10 points, give this common name shared by the Sun King and fifteen other French kings.

ANSWER: Louis <Jin>

11. This target of the “strategic patience” policy led one of its neighbors to consider amending Article 9 of its constitution. The Ulchi-Freedom Guardian exercises simulate an attack from this country, and the THAAD [pronounce as one word] system was recently deployed in one of this country’s neighbors. One leader threatened this country with (*) “fire and fury like the world has never seen.” This country conducted two tests of its Hwasong-14 ICBM in July 2017, and claimed to have successfully tested a hydrogen bomb on September 3, 2017. For 10 points, name this East Asian country led by Supreme Leader Kim Jong-un.

ANSWER: North Korea (accept Democratic People’s Republic of Korea, DPRK, Bukhan, or Joseon Minjujuewi Inmin Gonghwaguk; prompt on just Korea; do not prompt or accept “South Korea”, “Republic of Korea”, “ROK”, “Hanguk”, “Namhan”, or “Daehan Minguk”) <Park>

12. One revolution in this modern day country was followed by formation of the Liberation Rally party and agrarian land reform under Law Number 178. The Wafd Party was among those dissolved after a July 23 revolution in 1952 in this country that was led by General (*) Naguib and the Free Officers movement, and which led to the deposition of King Farouk I. One of this country’s presidents formed the United Arab Republic with Syria and kicked off an international “Crisis” when he nationalized the Suez Canal. For 10 points, name this North African country led by Anwar Sadat and Gamal Abdel Nasser.

ANSWER: Arab Republic of Egypt <Kuang>

13. This man wrote that “those who turn many to righteousness will shine like the stars” forever. One of this man’s visions is often interpreted as describing the Greek king Antiochus IV Epiphanes’ oppression of the Jews. This man and his friends appeared to be healthier than others despite only eating (*) vegetables and drinking water for ten days. This man argued that a giant statue of four metals represented four earlier kingdoms in his interpretation of King Nebuchadnezzar’s dream. For 10 points, name this Jewish prophet who miraculously survived being thrown into a lion’s den.

ANSWER: Daniel <Suh>

14. Electrons in these materials can acquire an effective mass much larger than their actual mass. A member of the III-V [“three-five”] class of these materials is gallium arsenide. The physicist Walter Schottky discovered that a junction between a metal and one of these materials can be used as a rectifier, and they have a small but finite (*) band gap of only a few eV. They can be classified as “n-type” or “p-type” based on the presence of electrons or holes, and introducing small impurities to them can be used to “dope” them. For 10 points, name these materials with an electrical conductivity between that of metals and insulators.

ANSWER: semiconductors <Pendyala>

15. One work titled for this city begins with *forte* D's that suddenly rush up a D-major scale. A composer from this city wrote the rondo "The Savages" and wrote an influential "Treatise on Harmony." Works nicknamed after this city include Mozart's 31st symphony and Haydn's set of six symphonies including ones titled "Bear" and "Hen" that preceded his (*) London symphonies. This city was later the home of a composer who wrote a third symphony in C minor featuring a pipe organ as well as a composer who wrote three *Gymnopédies* for piano. For ten points, identify this home of composers Jean-Philippe Rameau, Camille Saint-Saëns, and Erik Satie.

ANSWER: Paris, France <Yue>

16. During one battle in this war, a commander ordered posts with no barbed wire put up after realizing the enemy couldn't tell the difference. Emily Hobhouse's investigations of strategies used during it led to the Fawcett Commission, and Robert Baden-Powell became a national hero for resisting the Siege of (*) Mafeking during it. The Treaty of Vereeniging ended this conflict. Lord Kitchener employed concentration camps in this conflict, and one side in it consisted of the Transvaal Republic and the Orange Free State. For 10 points, give this war in which the namesake group of Dutch settlers were defeated by the British in South Africa.

ANSWER: Second Boer War (prompt on just "Boer War"; do not accept or prompt on "First Boer War") <Owen>

17. According to Julius Pollux, one of these animals bit into a sea snail and discovered purple dye. Zeus gave one of these animals to Europa after abducting her, and that one of these animals later became involved with the Teumessian fox in a paradox. While stealing the cattle of Geryon, Heracles killed one of these animals named Orthrus that had (*) two heads, and Actaeon was killed by animals of this kind after he spied on Artemis bathing during a hunt. Heracles's twelfth labor was to capture one of these animals that guarded Hades and possessed three heads. For 10 points, Cerberus was an example of what kind of animal?

ANSWER: dog(s) (accept any specific breed; accept canines or hounds) <Suh>

18. This character was dressed in pure white in one appearance, inspired by the actor's fear of dentists. This character was inspired by Alfredo Ballí Treviño according to Thomas Harris, who created this character in the novel *Red Dragon*. This character played cat and mouse with Will Graham in a 2013 (*) NBC series in which he was played by Mads Mikkelsen. This character chillingly described eating a census taker's liver with fava beans to FBI agent Clarice Starling in an appearance played by Anthony Hopkins. For 10 points, name this psychiatrist and serial murderer, an antagonist from *The Silence of the Lambs*.

ANSWER: Hannibal Lecter (accept either or both underlined parts) <Kuang>

19. For a droplet on a flat surface in equilibrium, the Young-Laplace equation multiplies the liquid-vapor surface tension by this function of the contact angle. The power factor for an AC circuit can be calculated as this function of the phase angle. For small angles, this function of the angle can be approximated as (*) one. The law named for this function reduces to the Pythagorean theorem for right triangles, and the magnitude of the normal force on an inclined plane is proportional to this function of slope angle. For 10 points, name this trigonometric function commonly defined as adjacent over hypotenuse and contrasted with sine.

ANSWER: cosine <Xiong>

20. In one poem by this author, the speaker asks the addressee, "how can I write a holy litany in your silly mood?" before declaring "Sacco & Vanzetti must not die" and "I am the Scottsboro boys." A poem by this author asks, "How many flies buzzed round you innocent of your grime?" and repeats the word "locomotive" eleven times. This poet of (*) "Sunflower Sutra," "America," and "Kaddish" wrote a poem that's dedicated to his contemporary Carl Solomon and begins "I saw the best minds of my generation destroyed by madness, starving hysterical naked." For 10 points, name this Beat poet who wrote "Howl."

ANSWER: Allen Ginsberg <Cohen>

21. **The comte de Soisson led a conspiracy to the murder this man that involved this man's once protege the Marquis de Cinq-Mars. This man gained his most famous position after currying favor with the Concino Concini and the Queen Mother. During the Day of the Dupes, (*)** Marie de' Medici nearly convinced the reigning monarch to remove this man, and he led the Siege of Rochelle against Huguenot troops. This man was nicknamed for the red shade of his clerical clothing, and he was succeeded in his position by Cardinal Mazarin. For 10 points, name this Frenchman, the chief minister of Louis XIII.

ANSWER: Cardinal Richelieu <Kuang>

Bonuses

1. The Mercator projection makes this landmass appear much larger than it actually is. For 10 points each:

[10] Name this ice-covered continent. The United Kingdom, Argentina, and Chile have made overlapping territorial claims in this continent.

ANSWER: **Antarctica**

[10] This mountain in the Sentinel Range is the highest peak in Antarctica. Its namesake is a former Georgia congressman who championed Antarctic exploration.

ANSWER: **Vinson Massif**

[10] Antarctica is also home to many ice shelves, including this largest ice shelf. It shares its name with a dependency claimed by New Zealand, as well a sea that it partially covers.

ANSWER: **Ross** Ice Shelf <Park>

2. After Roger Mortimer killed this man at the Battle of Evesham, this man allegedly cried out, “Thank God.” For 10 points each:

[10] Name this English noble who initiated the Second Baron’s War. He was the fifth of his name, and the sixth of his title.

ANSWER: Simon (V) **de Montfort**, 6th Earl of Leicester (prompt on just Earl of Leicester)

[10] While still a prince, this king of England tricked de Montfort into the Battle of Evesham by flying the banners of de Montfort’s son. This man’s nickname derives from the fact that he was a tall man for his time.

ANSWER: **Edward I** of England (accept **Edward Longshanks**; prompt on just Edward)

[10] Edward Longshanks was also called the “Hammer” of these people for leading an invasion of them. Their leader William Wallace defeated Edward at the Battle of Stirling Bridge, the inspiration for *Braveheart*.

ANSWER: **Scots** (or **Scotland**) <Suh/Kuang>

3. The Elgin marbles were removed from this temple. For 10 points each:

[10] Name this Athenian temple that sits atop the Acropolis. A frieze depicting an Athenian festival runs around it.

ANSWER: **Parthenon**

[10] This Greek sculptor directed the creation of the Parthenon and created the cryselephantine sculpture of Athena inside it. He also made the colossal statue of Zeus at Olympia.

ANSWER: **Phidias**

[10] In addition to the sculpture of Athena inside the Parthenon, Phidias also made a larger sculpture of her standing between the temple and this massive entrance to it. In general, this term refers to gateways in classical architecture.

ANSWER: **propylaea** <Kuang>

4. This scientist got the last laugh after the emergence of epigenetics. For 10 points each:

[10] Name this French biologist, whose belief in the inheritance of acquired characteristics was ridiculed by the followers of Charles Darwin. This scientist also made significant contributions to invertebrate classification.

ANSWER: Jean-Baptiste Pierre Antoine de Monet, Chevalier de **Lamarck**

[10] A popular classroom example of Darwinian evolution is industrial melanism observed in this order of insects. Both moths and butterflies are members of this order whose larval stage is called the caterpillar.

ANSWER: **Lepidoptera** (or **lepidopterans**)

[10] This two-word phrase describes the fusion of Darwinian evolution and Mendelian genetics in the early 20th century. This unified theory of evolution emphasized changes in allele frequencies within populations.

ANSWER: **modern synthesis** <Park>

5. For 10 points each, answer some questions about inorganic chemistry:

[10] Many coordination complexes exhibit this property, in which molecules have the same chemical formula but different chemical structures. The presence of ambidentate ligands can result in the linkage form of this property.

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

[10] Coordination complexes that satisfy a rule named after this number of electrons are typically less reactive, since they have the same electron configuration as the corresponding noble gas.

ANSWER: **18** (accept **18-electron rule**)

[10] This class of reactions can be described as “inner-sphere” or “outer-sphere” depending on the presence of a covalent bridge between the two redox centers.

ANSWER: **electron transfer** <Park>

6. This novel appeared on Amazon.com’s list of bestselling books following the election of Donald Trump. For 10 points each:

[10] Name this novel in which Buzz Windrip defeats FDR on a platform of traditional values. He proceeds to instill totalitarian rule, and an organization called the New Underground forms to oppose Windrip’s regime.

ANSWER: ***It Can’t Happen Here***

[10] *It Can’t Happen Here* is a novel by this author who portrayed a hypocritical yet successful evangelist in *Elmer Gantry*. He wrote about the title middle-class businessman of Zenith in his novel *Babbitt*.

ANSWER: Sinclair **Lewis**

[10] In this Lewis novel titled for the canonical city thoroughfare, Carol Milford moves with her husband Will Kennicott to Gopher Prairie, Minnesota and begins to dislike her quaint, small-town life.

ANSWER: ***Main Street*** <Yue>

7. The first scene of this play ends when a character gets hit in the face just as the protagonist had predicted. For 10 points each:

[10] Name this play in which the protagonist impersonates a judge, a forensic expert, and a bishop and invites the audience to choose between two results of a bombing.

ANSWER: ***Accidental Death of an Anarchist***

[10] *Accidental Death of an Anarchist* is by Dario Fo, a playwright from this country. Another playwright from this country, Luigi Pirandello, wrote the play *Six Characters in Search of an Author*.

ANSWER: **Italy**

[10] In another Pirandello play, an aristocrat thinks he has this first name after falling off his horse. A Shakespeare character of this name urges his army to attack with the line, “Once more unto the breach, dear friends.”

ANSWER: **Henry** (accept **Enrico** IV or **Henry** V) <Yue>

8. Due to a widespread practice by insurance companies in this city, some people deliberately set fire to their property to collect claims.

[10] Name this California city that experienced a major earthquake and an even more destructive fire in 1906.

ANSWER: **San Francisco** (prompt on **SF**)

[10] A 1900 hurricane that struck the city of Galveston in this state is the deadliest natural disaster in American history. The state also experienced severe droughts throughout the 1950s.

ANSWER: **Texas**

[10] In 1811 and 1812, this town on the Mississippi River experienced a series of earthquakes that remain the most powerful earthquakes to occur to the east of the Rocky Mountains.

ANSWER: **New Madrid** (accept **New Madrid** earthquakes) <Suh>

9. The liturgical language of this religion is called Lucumí. For 10 points:

[10] Name this religion that draws heavily from Yoruba tradition. A 1993 Supreme Court case upheld this church's right to conduct animal sacrifice ceremonies.

ANSWER: **Santería** (or **Regla de Ocha**; or La **Regla de Ifá**)

[10] The court case against Santería originated in this state. A 145 million dollar building in this state was built to deliver a training course known as the Super Power Rundown to practitioners of Scientology.

ANSWER: **Florida**

[10] Santería is this type of religion, which means that it combines beliefs and rituals from two pre existing traditions. Other religions of this type include Voodoo.

ANSWER: **syncretic** (accept word forms like **syncretism**) <Chu>

10. The god of this substance resurrects from a turtle shell and is usually identified with Hun Hunahpu, the beheaded father of the Hero Twins. For 10 points each:

[10] Name this substance governed by Cinteotl, a staple crop of many Mesoamerican peoples. It was one of the Three Sisters in America, along with squash and beans.

ANSWER: **maize** (accept **corn**)

[10] Sacrifice and resurrection was a staple in the worship of this Aztec god of war. Human sacrifice at Templo Mayor was dedicated to him.

ANSWER: **Huitzilopochtli**

[10] Huitzilopochtli sacrificed his son Copil, and threw this body part of his on where Templo Mayor would be built in the middle of Lake Texcoco. Aztec priests in general are known for extracting this organ from people still living.

ANSWER: **heart** <Owen>

11. This man was a writer for *Roseanne* and *Mike & Molly*. For 10 points each:

[10] Name this man whose monologue-vanity cards have appeared at the end of shows like *Two and a Half Men*.

ANSWER: Chuck **Lorre**

[10] Lorre produced shows like *Two and a Half Men* and this one centering on a group of apparent “nerds” and their friend Penny. One character on this comedy is Sheldon Cooper, whom many have posited has Asperger's.

ANSWER: *The* **Big Bang Theory**

[10] Sheldon is played by this actor, who won four Emmy's for his portrayal. This actor also had a cameo as the human version of the Muppet Walter in the 2011 *The Muppets* film.

ANSWER: Jim **Parsons** <Kuang>

12. Before invading England, Harald Hardrada of Norway served as a mercenary in this military order. For 10 points each:

[10] Name this elite army unit that served as the personal bodyguards to the emperors of the Byzantine Empire.

ANSWER: **Varangian Guard**

[10] The Varangian Guard first formed when Vladimir the Great, the ruler of this city, sent 6,000 men to protect Basil II. It was the site of the state of Rus [“roos”].

ANSWER: **Kiev**

[10] According to legend, Vladimir the Great converted to Christianity instead of Islam because of Islam's ban on this type of meat. Observant Jews also do not eat this type of meat.

ANSWER: **pork** <Suh>

13. Leni Riefenstahl's documentary about one of these events is split into two parts: "Festival of Nations" and "Festival of Beauty." For 10 points each:

[10] Name these international events. One of the most famous photos taken at these events shows Tommie Smith and John Carlos performing the Black Power salute after the 200 meter sprint.

ANSWER: **Olympics** (accept more specific parts of the Olympics, such as the **Olympic** opening ceremonies or **Olympic** medal ceremonies; prompt on any answer that does not include the word **Olympic**)

[10] The "Bird's Nest" stadium for Beijing's 2008 Olympics was designed in part by this Chinese dissident artist and activist. His other works include a room filled with millions of porcelain sunflower seeds at the Tate Modern.

ANSWER: **Ai Weiwei**

[10] "Study of Perspective" is a series of photos showing Ai doing this action at world landmarks like the Eiffel Tower and White House. A famous 1969 photo shows Johnny Cash doing *this* during a concert at San Quentin.

ANSWER: giving the **middle finger** (or giving the **finger**; or **flipping off**; or **flipping the bird**; or the **one-finger salute**; or **flick off**; or any other descriptive or slang terms for the gesture; grudgingly accept actual physical demonstration of said gesture) <Chu>

14. For 10 points each, answer some questions about some works in the key of C major:

[10] This symphony begins with a *forte* C with triplet figures from G up to C. It was the 41st symphony by its composer, following the composer's Great G Minor symphony.

ANSWER: the **Jupiter Symphony** (accept, *but DO NOT reveal* Wolfgang Amadeus **Mozart's Symphony No. 41**; prompt on **K. 551**)

[10] The Jupiter Symphony is this composer's last symphony. Two years after completing it, he composed the opera *The Magic Flute* and a Requiem in D minor that was left unfinished at his death.

ANSWER: Wolfgang Amadeus **Mozart**

[10] Mozart's 17th string quartet in C major is nicknamed this due to sonic tensions in the opening *Adagio* section. This term is often contrasted with consonance.

ANSWER: the **Dissonance** Quartet <Yue>

15. Name some commonly used techniques in calculus, for 10 points each:

[10] You can use this technique to solve some integral by putting them in the form $\int f(g(x))g'(x) dx$ [^{"f of g of x times g-prime of x times dx"}], where g(x) is sometimes called *u*. Using this technique is equivalent to applying the chain rule in reverse.

ANSWER: u-**substitution** (or integration by **substitution**)

[10] Sometimes, it's easier to integrate using polar coordinates, in which each point is defined by its distance from the origin and this quantity symbolized by the Greek letter theta.

ANSWER: **angle** (or **angular** coordinate)

[10] When converting between different coordinate systems, you need to change the variables accordingly. As a result, you multiply the integrand by this quantity named after a German mathematician.

ANSWER: **Jacobian** determinant (or **determinant** of the **Jacobian** matrix; do not accept or prompt on just "Jacobian matrix" since that is not a quantity) <Xiong>

16. One character in this novel defaces the sword of a naval cadet out of jealousy. For 10 points each:

[10] Name this novel. The protagonist meets the clubfooted Kashiwagi and is inspired by the phrase, “if you meet the Buddha in the road, kill him,” to commit arson.

ANSWER: *The **Temple of the Golden Pavilion***

[10] *The Temple of the Golden Pavilion* is a novel by this Japanese author. He depicted the life of Shigekuni Honda in his Sea of Fertility tetralogy, and may have been inspired by his own homosexuality to write *Confessions of a Mask*.

ANSWER: Yukio **Mishima**

[10] In *The Temple of the Golden Pavilion*, the protagonist Mizoguchi slips a photograph of one of these people into Father Dosen’s newspaper to anger him. An Arthur Golden novel tells the *Memoirs* of one of these traditional Japanese hostesses.

ANSWER: **geisha** (prompt on women; do not accept or prompt on “prostitute” or similar terms) <Yue>

17. Amartya Sen’s “Liberal Paradox” states that a society cannot both have a minimal sense of freedom and this economic condition.

[10] Name this state of allocation of resources from which it is impossible to make one party better off without making another worse off.

ANSWER: **Pareto** efficiency (or **Pareto** optimality)

[10] In economics, this term represents the satisfaction experienced by the consumer of a good or service. An indifference curve represents all possible combinations of two goods for which this term stays constant.

ANSWER: **utility**

[10] This British economist equated the utility of the wage with the marginal disutility of employment, but more notably argued that government spending was necessary to keep up aggregate demand in times of depression.

ANSWER: John Maynard **Keynes** <Suh>

18. This quantity for a light source is equal to intensity times four π times the distance squared. For 10 points each:

[10] Name this quantity. It’s also defined as work over time.

ANSWER: **power**

[10] This SI unit for power is named after a Scottish engineer due to his invention of the quite “power”-ful steam engine. Most light bulbs are rated in terms of this unit.

ANSWER: **Watt** (prompt on “uppercase W”)

[10] The average power for electromagnetic waves can be found by integrating this vector over one period to get this vector’s time averaged form. This vector is equal to electric field crossed with the magnetic field’s auxiliary field vector.

ANSWER: **Poynting** vector <Jin>

19. The Hibiya Riots occurred in protest of the terms of the treaty that ended this war. For 10 points each,

[10] Name this war between two imperial powers fought in the early 1890s over control of territories like Manchuria. It was ended by the Portsmouth Treaty and began with an attack on Port Arthur.

ANSWER: **Russo-Japanese** War

[10] This overwhelming naval victory for Japan during the Russo-Japanese was the only major sea battle fought by modern steel battle fleets. It caused the British Empire to begin building the *HMS Dreadnaught* later that year.

ANSWER: Battle of **Tsushima**

[10] The Battle of Tsushima was also notable for being the first critical naval battle to utilize this technology developed by Guglielmo Marconi. It was first called “wireless telegraphy.”

ANSWER: **radio** <Owen>

20. Works by this author include a short story in which children hear the house whispering “there must be more money.” For 10 points each:

[10] Name this author of that short story, “The Rocking-Horse Winner,” as well as novels such as *The Rainbow* and *Women in Love*.

ANSWER: D(avid) H(erbert) Lawrence

[10] In this D.H. Lawrence novel, a wealthy woman’s husband is paralyzed after sustaining injuries in World War I, prompting her to carry out an affair with the gamekeeper Oliver Mellors, the novel’s title character.

ANSWER: Lady Chatterly’s Lover

[10] Because of its heavy use of expletives and sexual content, *Lady Chatterly’s Lover* was banned in Britain as a work with this quality until 1960, when a landmark trial ruled it was of literary merit rather than this other quality.

ANSWER: obscene (accept word forms; do not accept synonyms; accept Obscene Publications Act 1959) <Cohen>

21. Caracalla is presented by many sources as a tyrant, but he wasn’t all bad. For 10 points each:

[10] One of Caracalla’s great public projects was the construction of his namesake one of these things, the second-largest in Rome. These places were fed water by aqueducts which was then heated by log fires.

ANSWER: baths

[10] In 212, Caracalla decreed the Antonine Constitution, which granted this right to all freemen in the Roman Empire. Previously, only residents of Italy were granted this right.

ANSWER: full Roman citizenship

[10] For the first years of his reign, Caracalla ruled with this emperor. This emperor, also Caracalla’s father, came to power after the Year of the Five Emperors and founded a dynasty bearing his name.

ANSWER: Septimius Severus <Jin>