

Early Fall Tournament 2016 - “Auntie Vivian’s daughter can answer these questions, why can’t you?”

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Packet 10

TOSSUPS

1. Some onlookers leave at the “ninth hour” because they believe this man was killed by the “wolf-of-the-waves.” That creature’s blood melts this man’s weapon, which is covered with inscriptions of the great flood. This man’s followers take ten days to build a barrow that sailors can see along the coastline. This son of Ecgtheow [EDGE-thow] rules for fifty winters until a man steals a golden cup. This man sleeps without armor or weapons to confront a creature he defeats by (*) ripping its arm off. This wielder of the sword Hrunting defeats a descendant of the Biblical Cain, as well as that monster’s mother. This man is mortally wounded after Wiglaf helps him defeat a dragon. This man saves Heorot, the hall of king Hrothgar, from the monster Grendel. For 10 points, name this hero of an Old English epic poem.

ANSWER: Beowulf <BritLit, RY>

2. This artist expressed disgust at a portrait by stating “I don’t want anyone to know I posed for it.” On a trip to Seville, this one-time student of Jean Léon Gérôme depicted a toreador resting his muleta on a stick and smoking a cigarette in *After the Bullfight*. This artist’s sister Lydia often appears, along with other women, holding a fan or wearing opera glasses in various scenes set at loges and theaters. This artist’s study of Japanese prints shows in aquatints like (*) *The Letter*, as well as a work depicting a woman wearing stripes cleaning an infant’s feet in water. She studied art and collaborated with Edgar Degas and various fellow Impressionists whom she helped popularize in her home country. For 10 points, name this artist of *The Child’s Bath*, a woman born in the U.S.

ANSWER: Mary Cassatt <Painting, PC>

3. Fellgett’s advantage refers to the reduction of this phenomenon when multiplexing. The root-mean-square current generated by one type of this phenomenon is equal to the square root of two times current times the fundamental charge times the bandwidth. One form of this phenomenon was shown to correspond with the dissipation of electrical energy by resistance by Harry (*) Nyquist. Boxcar averaging can be done to reduce this phenomenon. A form of this phenomenon that occurs due to thermal motion is named for John Johnson. When this phenomenon has a constant power spectral density, it is called white. When taking measurements using electronics, it is important to minimize this phenomenon’s ratio with the desired measurement. For 10 points, name this phenomenon which consists of fluctuations that interfere with signals.

ANSWER: electronic noise [accept more specific forms of noise; prompt on fluctuations I suppose] <Chem, AW>

4. The colony in this modern-day country was established by friars at Lifau and was raided and occupied by Topasses attempting to take over the sandalwood trade. Carlos Belo received the Nobel Peace Prize for work in this country. Sir Peter Cosgrove led an Australian peacekeeping force in this country that helped it obtain independence under Xanana Gusmão [sha-NA-na goose-MAUN]. A civil war broke out between this country’s UDT and FRETILIN parties when it was abandoned after its colonizer’s (*) Carnation Revolution. A nearby country’s “New Order” government invaded this island country during the Suharto regime. The Portuguese governed it from the city of Dili. For 10 points, what country was brutally occupied by Indonesia until 1991?

ANSWER: East Timor [or Democratic Republic of Timor-Leste] <WorldHist, WA>

5. A novel by this author contains an anachronistic pun about a “[b]linking,” “[s]hivering,” “L.E.D.” This author included a polymath “Learned English Dog” in a conspiracy-laden novel centrally narrated by Reverend Cherrycoke. The protagonist of a novel by this author fixates on a symbol of a muted post horn and is appointed as the executor of the will of the late Pierce Inverarity. This author of (*) *Mason & Dixon* wrote about a woman who looks for traces of the Tristero named Oedipa Maas. A novel by this author opens “A screaming comes across the sky,” and its title alternatively refers to the structure of the plot or the arclike trajectory of a V-2 rocket. For 10 points, name this author of *The Crying of Lot 49* and *Gravity’s Rainbow*.

ANSWER: Thomas Pynchon [Thomas Ruggles Pynchon, Jr] <AmLit, JC>

6. A process named for Coster and Kronig is a special case of an effect that releases one of these particles. In a system with few impurities, phonons and these particles can undergo ballistic transport. An effect which releases these non X-ray particles can be described using three-letter notation such as LMM or KLL. These particles can probe surfaces in a LEED experiment, while the relaxation of one of these particles ejects another one in the (*) Auger [oh-ZHAY] effect. The tunneling of one of these particles creates the signal in scanning tunneling microscopy, while they are used to illuminate samples in a form of microscopy with a higher resolution than light microscopy. One of these particles, an antineutrino, and a proton are produced in beta minus decay. For 10 points name these negatively charged particles, the lightest non-neutrino lepton.

ANSWER: electrons <Phys, AW>

7. It’s not the Mediterranean, but Fernand Braudel highlighted how grain shipments *originating from this body of water* allowed the Dutch to accumulate Spanish silver. Ships that traveled *east [emphasize] towards this body of water* were subject to the Sound Toll. An organization *based around this body of water* set up *kontor* trading posts, including on river cities like Torun. A ruler chose to build his capital near this sea in order to provide a (*) “window on the West.” Dominion over this sea shifted east after the Treaty of Nystad. Monopoly rights of a league organized around this sea were affirmed by the 1370 Treaty of Stralsund, signed by Valdemar IV. Dominating this sea helped free cities like Lübeck, Novgorod, and other Hanseatic towns prosper. For 10 points, Sweden and Russia dueled for domination of what sea?

ANSWER: Baltic Sea [accept Gulf of Bothnia or Gulf of Finland specifically] <EuroHist, WA>

8. This thinker identified “moving backwards,” “standing still,” “hesitation,” and “constructing obstacles” as four modes of creating “distance” with personal problems. This thinker’s notions of the “guiding fiction” and “guiding principle” that create the idealized masculine ego were influenced by correspondence with Hans Vaihinger. This thinker’s school of therapy, which built on Nietzsche’s notion of “will-to-power,” was based on understanding tenets of character development outlined in (*) Vienna lectures that comprise his *Understanding Human Nature*. This psychologist, who believed that birth order influences personality, argued that neurotic individuals pursue superiority partly because of a constant feeling of inadequacy. For 10 points, name this psychologist who coined the term “inferiority complex.”

ANSWER: Alfred Adler <SocSci, WA>

9. This character is rendered immobile by the usage of an all-powerful weapon, though its effects dissipate after others foolishly bind him with physical rope. He explains to two brothers that the ruler of his kingdom usurped his brother Sugriva after being left for dead in a cave. This character is the subject of the *Sundara Kanda*, which describes how he shrinks to a miniscule size to sneak into a city where he presents a ring to a (*) kidnapped woman to prove his allegiance. This foremost of the *vanaras* has his burning fur fanned by his father Vayu as he sets fire to the island fortress Lanka. This god brings a healing herb to Lakshmana during a climactic battle in which he helps Rama to defeat Ravana and rescue Sita. For 10 points, name this monkey god who appears in the *Ramayana*.

ANSWER: Hanuman <Myth, EK>

10. Muhammad's uncle Hamza famously carried two of these objects at Uhud. A passage named for these objects contains the oft-omitted quote "if any of the idolaters seeks asylum with you, grant him protection until he hears the word of God;" that passage is from the ninth sura. Khalid ibn Walid was known as "[this] of God" al-Maslul [mahs-LOOL]. Muhammad gave Ali one of these objects named (*) Zulfikar. A controversial verse named for these objects that commands "slay the pagans wherever you find them." The book of Isaiah states that the people shall beat *these* things "into plowshares." For 10 points, identify these weapons, a flaming example of which is possessed by the angel that guards Eden.

ANSWER: swords [or savf; accept Sayfullah al-Maslul or Sword of God] <Rel, WA>

11. The cunning Jonathan Wild amassed a fortune by posing as people in this profession. The law organizing the modern body of this profession replaced the Statute of Winchester. The organizer of the modern incarnation of this profession in Britain stated that "[they] are the public and the public are [them]" as part of Nine Principals. An early organization of this profession was led by Henry Fielding and was called the Bow Street Runners. Some of these people dealt with an individual who wrote a document to (*) Mr. Lusk called the "From Hell" letter after a series of events in the Whitechapel District. Some members of this profession were called "Bobbies" or alternately "Peelers," because they were organized in London by Robert Peel. For 10 points, give this profession of people at Scotland Yard.

ANSWER: policemen [or watchmen; constables; thief-takers; detectives; accept other synonyms] <Brit/ClassHist, JZ>

12. In one stage of this process, high levels of inhibin contributes to the selection of a single "dominant" Graafian structure. A stage in this cycle sees a brief spike of basal body temperature by about 0.5 degrees Celsius. This cycle can be overt as opposed to a reabsorptive covert process in estrous cycles. High levels of prolactin production suppresses GnRH and disrupts this cycle, a lack of which is known as (*) amenorrhea. One stage of this cycle is triggered by an LH surge. Low levels of progesterone in the late luteal phase of this cycle cause an increase in prostaglandins, leading to shedding of the endometrium and an event in this cycle's trademark cramps and bleeding. For 10 points, name this female reproductive cycle that releases eggs for fertilization in secretory and ovulatory phases.

ANSWER: menstrual cycle [accept ovarian or uterine cycle; accept folliculogenesis before "prolactin production"; accept follicular phase or ovulation or early or late luteal phase; accept menstruation or proliferative or secretory phase; prompt on pregnancy or fertilization before "This cycle sees..." in the third sentence] <Bio, JC>

13. Zakrevsky arrests and interrogates a man with this profession about "the plot against Comrade Stalin" before himself being taken away by the secret police in Julian Barnes' *The Noise of Time*. A character with this profession tries to renounce love while working on "The Apocalypse with Figures" and believes he has made a demonic deal when he contracts syphilis from Esmeralda. This profession is held by a narrator who renounces (*) God due to the creative genius of his obnoxious nemesis. In a play about this profession, which is held by Adrian Leverkühn, Salieri slits his own throat after claiming that he poisoned the title character. For 10 points, give this profession central to Thomas Mann's *Doctor Faustus* and Peter Shaffer's *Amadeus*.

ANSWER: composer [prompt on musician] <OLit, JC>

14. In 1973, a conductor from this country gave a six-part lecture series comparing classical music to concepts in linguistics. Under the guidance of Arthur Fiedler, a composer from this country wrote light music such as "The Syncopated Clock." A production from this country pairs a scene of dancing animals with a musical outtake from Act III of *La Gioconda*, the "Dance of the Hours." This country's first direct-to-television opera was (*) Gian Carlo Menotti's *Amahl and the Night Visitors* and its leading radio orchestra was directed for fourteen years by Arturo Toscanini. The Young People's Concerts series originated in this country. This country produced a 1940 animated film accompanied by Leopold Stokowski recordings of pieces such as *The Sorcerer's Apprentice*. For 10 points, name this country where the movie *Fantasia* was produced by Walt Disney.

ANSWER: United States of America [or U.S.A.; accept any underlined portion] <Music, EK>

15. It's not a religion, but according to one thinker, an ethical system named for this phenomenon originated when Roman expansion brought about an "inversion of values" promoted by "priestly vindictiveness"; the origin of that ethical system named for this phenomenon thus gave birth to *ressentiment*. At the Valladolid Debate, Sepúlveda said that the Aristotelian concept of the "natural" variety of this phenomenon applied to natives. Democracy is a manifestation of a moral system likened to this condition according to (*) *On the Genealogy of Morals*, which associates that morality with Christianity. This condition is the inferior part in a two-part "dialectic" explained in Hegel's *Phenomenology of Spirit*. The "peculiar institution" was an American name of – for 10 points – what condition in which unfree people do the bidding of masters?

ANSWER: slavery [or slave morality; accept equivalents like bondage] <Phil, WA>

16. In a case regarding one of these objects, Justice Brennan held that the "bedrock" of the First Amendment was that the government could not censor expression "simply" when "society finds the idea... offensive." A case concerning the "compulsory unification of opinion" of Jehovah's Witnesses who refused to perform an action involving this object overruled *Minersville v. Gobitis*, *Texas v. Johnson* and *U.S. v. Eichmann* invalidated laws regarding the (*) treatment of this object, whose "Code" recommends disposal by burning. *West Virginia v. Barnette* found that students could not be forced to honor this object with a statement written by Francis Bellamy to which "under God" was added in 1954. For 10 points, name this U.S. symbol to which citizens recite the "Pledge of Allegiance."

ANSWER: American flags [prompt on flags; accept equivalents such as the U.S. flag] <Other, JC>

17. Koz Architectes used this material to construct a colorful façade for a sports and leisure center in Saint-Cloud, France. It is also used to create the walls of the Oslo Opera House as well as the sculpture *She Lies*, which is located right outside of it. A guest residence made of brick and the so-called "Sculpture Gallery" are found nearby a larger building made out of this material, which was used to create the so-called (*) "Inverted Pyramid" that people can step on. Mies van der Rohe used this material and steel to build a house in Plano, Illinois that was commissioned by the nephrologist Edith Farnsworth. Philip Johnson primarily used this material to build a house in Connecticut. For 10 points, name this material which I. M. Pei used to create a pyramid at the Louvre museum.

ANSWER: glass <OArts, IJ>

18. This novel's protagonist is compared to a clerk whose name Grigory Potemkin signs onto a bunch of forms instead of his own, in a Walter Benjamin [BEN-yuh-meen] essay titled for its author. In this novel, the protagonist discovers that a bunch of dusty tomes are actually full of porn. This novel's author fictionalized his ex-fiancée in it as the unhelpful typist Fraulein Burstner, with whom he shares a kiss. A priest in this novel tells the protagonist the (*) fable "Before the Law." In this novel, the protagonist seeks out Titorelli the painter for advice, and at this novel's end he is stabbed to death "Like a dog!" For 10 points, name this novel in which Josef K deals with an absurd justice system after being arrested for an unknown crime, written by Franz Kafka.

ANSWER: *The Trial* [or *Der Prozess*] <EuroLit, JC>

19. The earliest serpulids are known to have originated during this geologic period, which begins with the unusually-short Induan age. The base of this period's Anisian age is marked by the appearance of the first conodonts. A major global climate change event that allowed for the radiation of corals occurred during this period and is known as the Carnian Pluvial Event. This period also includes a (*) "coal gap" that was created by the "Great Dying" that preceded this period's start. The Permian period preceded this period, which Friedrich von Alberti named for the fact that a set of three rocks characterize it. For 10 points, what first geologic period in the Mesozoic Era, which is followed by the Jurassic period?

ANSWER: Triassic Period <OSci, RH>

20. This author's best-known collaborator wrote a novel in which Ludovic lives as a hermit on the frontier after pursuing a forbidden mixed-race romance with the title woman, *Marie*. This man wrote of a sailor's remark that ships should be built to last for a short time because of technological advance, which reflects the belief that humans can be perfected indefinitely. This man wrote that state control of everyday affairs eventually results in what has been termed (*) "soft despotism." In his best-known book, this man wrote that the title institution's instability is worsened by the "omnipotence of the majority." This man joined Gustave de Beaumont on an 1831 to 1832 trip to study a foreign prison system. For 10 points, name this French author who wrote *Democracy in America*.

ANSWER: Alexis de Tocqueville [Alexis Charles-Henri-Maurice Clérel de Tocqueville] <AmHist, RY>

IF THE GAME IS A TIE AFTER REGULATION: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.

BONUSES

1. Lorenzo di Credi created a *trompe-l'œil* [tromp-LUH-ee] frame for this man's *Funerary Monument to Sir John Hawkwood* nearly a century after its completion. For 10 points each:

[10] Name this early Renaissance artist behind *The Battle of San Romano*.

ANSWER: Paolo **Uccello** [accept Paolo **di Dono**]

[10] *The Battle of San Romano* is one of the first pieces of Italian art to use the linear form of this technique, which allows an artist to represent depth on a two-dimensional canvas.

ANSWER: **perspective**

[10] This earlier Sienese painter deviated from traditional perspective in his *Effects of Good Government*, which is among his frescoes for the Siena Town Hall titled *The Allegory of Good and Bad Government*.

ANSWER: Ambrogio **Lorenzetti** [accept Ambrogio **Laurati**] <Painting, PC>

2. The states created by these people, such as the Khanate of Khiva and Koqand, were either annexed by Russia or became protectorates in the late 19th century. For 10 points each:

[10] Identify this Turkic ethnic group, which established the Khanate of Bukhara under the leadership of Muhammad Shaybani.

ANSWER: **Uzbeks**

[10] The Uzbeks took advantage of the power gap left by the fall of this dynasty, which included Shahrukh. This dynasty, which is named for a famous ruler, presided over the heyday of the Chagatai language, and its descendants include Mughal founder Babur.

ANSWER: **Timurid** dynasty [or **Timur**'s dynasty; or **Tamerlane**'s dynasty]

[10] Uzbek cities weren't as prosperous as in ancient times mainly because this *yuuuuge* overland Central Asian trade route, which links China to the West, slowly lost out to European-dominated ocean trade.

ANSWER: **Silk Road** [or **Silk Routes**; or **Seidenstrasse**] <WorldHist, WA>

3. This phenomenon occurs at a higher rate than absorption after a system has reached population inversion. For 10 points each:

[10] Name this process that, unlike spontaneous emission, results in photons that are coherent.

ANSWER: **stimulated** emission

[10] Stimulated emission is the basis behind these devices that emit monochromatic light in "beams."

ANSWER: **lasers**

[10] In order to achieve population inversion, this process of transferring energy to the gain medium must occur. After this, there is typically a quick radiationless transition into the desired excited state.

ANSWER: **pumping** <Phys, AW>

4. At a party at the Yepanchin estate, this character randomly launches into a tirade against Catholicism, claiming it is the Antichrist and the source of evils like atheism. For 10 points each:

[10] Name this character whose friend Rogozhin murders a woman he loves, Nastasya Filippovna, and who goes back to Switzerland at the end of the novel. You can give either his real name or the title of the novel he appears in.

ANSWER: Prince **Myshkin** [**Lev** Nikolayevich **Myshkin**; accept either his first or last name; accept *The **Idiot***]

[10] *The Idiot* is a novel by this Russian author of *The Brothers Karamazov* and *Crime and Punishment*.

ANSWER: Fyodor **Dostoevsky** [Fyodor Mikhailovich **Dostoyevsky**]

[10] Early in *The Idiot*, a member of the Yepanchin family with this name takes Myshkin under her wing and considers marrying him to one of her three daughters. In another Dostoevsky work, the protagonist meets a woman of this name on the street after leaving Zverkov's dinner party.

ANSWER: **Liza**veta [or **Elizabeth**] <EuroLit, WA>

5. The twelve signs of the Greek zodiac correspond to examples of these things, such as Aries, Gemini, and Sagittarius. For 10 points each:

[10] Name these heavenly bodies. Callisto is transformed first into a bear, and then ultimately into one of these things called Ursa Major.

ANSWER: constellations [or asterisms]

[10] In Chinese cosmology, one of these animals is a member of the Four Symbols that represents the winter constellations. Vishnu manifests as one of these animals named Kurma during the churning of the ocean.

ANSWER: turtle [or tortoise]

[10] Each of the Four Symbols, plus Huangdi himself, corresponds to the Wu Xing, or the five Chinese elements. Three of them are earth, fire, and water – name the other two.

ANSWER: wood and metal [or mu and jin; or gold for “metal”; or obvious equivalents for “metal”; do not accept “tree” for wood because it refers to the usable dead form and not the living plant form] <Myth, EK>

6. For his skill on the instrument, this guitarist was often said to have made a deal with the devil. For 10 points each:
[10] Name this Mississippi guitarist who wrote such hits as “Cross Road Blues” but died in 1938, at the age of twenty-seven.

ANSWER: Robert Johnson [or Robert Leroy Johnson]

[10] Robert Johnson was one of the pioneering musicians of this melancholy style of music that originated from black spirituals and work songs. It lends its name to a popular twelve-bar chord progression.

ANSWER: blues [do not accept “rhythm and blues” or “R&B”]

[10] The influence of blues on early rock-and-roll is seen in this 1958 song by Chuck Berry. It uses a twelve-bar blues in the key of A, and its lyrics describe a “country boy” from New Orleans who becomes a talented guitarist.

ANSWER: “Johnny B. Goode” <OArts, EK>

7. The likelihood-ratio method uniformly has the highest value for this quantity. For 10 points each:

[10] Name this quantity, the measure of a statistical test’s ability to not commit a type II error.

ANSWER: statistical power [accept sensitivity]

[10] A type II error occurs when one of these statements is not rejected, despite being false. These statements are generally a default position that there is no relationship between two measured phenomena and are contrasted with the alternative hypothesis.

ANSWER: null hypotheses [or null hypothesis]

[10] A type II error is more likely to be committed if this “size,” is relatively small. This is the number of subjects evaluated in a statistical test, and is a number equal to or smaller than the population size.

ANSWER: sample size <OSci, RH>

8. This character falls asleep with a lit cigarette in his mouth while staying at his colleague Ned Welch’s house, burning their bedsheets. For 10 points each:

[10] Name this bumbling history professor who gets fired after delivering a drunken lecture, but eventually gets together with Christine Callaghan.

ANSWER: Jim Dixon [accept either underlined portion; or James Dixon; accept *Lucky* Jim, which is by Kingsley Amis]

[10] This other fictional professor, an “MD, DPh, DLit, etc, etc.,” owes a debt to Dr. John Seward for saving his life. He frequently hypnotizes Mina, and kills the three “sisters” residing in a castle near Borgo Pass.

ANSWER: Abraham Van Helsing [from *Dracula*]

[10] Kingsley and Martin Amis both won the annual award named for this English author, who wrote about Philip Carey, a club-footed failed artist, and his relationships with women like Mildred Rogers, in *Of Human Bondage*.

ANSWER: W. Somerset Maugham [William Somerset Maugham] <BritLit, RY>

9. This day was preceded by a call by Pope Benedict XV for a “Truce of God.” For 10 points each:

[10] Identify this most notable date on which World War I troops fraternized, exchanging gifts and singing together. Robert Graves wrote a fictional 1962 account of Germans defeating kilt-wearing Scots in soccer on this date. Day and year required.

ANSWER: **Christmas** Day, **1914** [or **December 25, 1914**; prompt on **Christmas Day** by asking “what year?”]

[10] The Christmas Truce followed the “Race to the Sea,” in which these defensive structures were dug towards the Atlantic Ocean. These defensive works were typically protected by barbed wire.

ANSWER: **trenches**

[10] The Germans achieved success near the end of the War by using these troops to break the trench stalemate. Oskar von Hutier pioneered their tactics, which were used to great success during the Ludendorff Offensive.

ANSWER: **stormtroopers** [or **stoßtruppen**; **sturmmann**; **sturmtrouppen**; prompt on translations like **shock troops** or **assault troops**] <EuroHist, JZ>

10. This country’s dominant family-owned *chaebol* [CHEH-bohl] businesses, which received bailouts after the 1997 financial crisis, have traditionally guaranteed near-lifetime employment. For 10 points each:

[10] Identify this country, where friction over labor market reforms contributed to a massive upset in April 2016 legislative elections, in which the Saenuri [seh-noo-ree] party shockingly came in second place.

ANSWER: **South Korea** [or **Republic of Korea**; or **ROK**; or **Daehan Minguk**; prompt on **Korea** or **Hanguk**]

[10] This Prime Minister of Japan has attempted to implement labor market reforms to discourage lifetime employment and encourage flexibility as part of his namesake economic reform program.

ANSWER: Shinzo **Abe** [AH-bay] [or **Abe** Shinzo; accept **Abenomics**]

[10] In China, the concept of lifetime employment is often referred to as a “rice bowl” made of this material. The term typically applies to people in government positions.

ANSWER: **iron** (rice bowl) [or **tie** [TYEH] *fan wan*; do not accept or prompt on anything else] <Other, WA>

11. Many of this composer’s keyboard pieces are found in one of two notebooks that he dedicated to his second wife Anna Magdalena. For 10 points each:

[10] Name this German Baroque composer of *The Well-Tempered Clavier*, a collection of preludes and fugues spanning every major and minor key.

ANSWER: J.S. **Bach** [or Johann Sebastian **Bach**]

[10] This French composer used the first piece in *The Well-Tempered Clavier* as the accompaniment to his soprano setting of the Ave Maria.

ANSWER: Charles **Gounod** [or Charles-François **Gounod**]

[10] This composer’s Ave Maria is among a collection of seven songs taken from Walter Scott’s *The Lady of the Lake*. His other vocal pieces include “Gretchen at the Spinning Wheel” and “Death and the Maiden.”

ANSWER: Franz **Schubert** [or Franz Peter **Schubert**] <Music, EK>

12. Answer the following about the Roman army, for 10 points each.

[10] The Roman army was reorganized by this seven-time consul who defeated the invasion of the Cimbri at the Battle of Aquae Sextiae. He instituted cohorts to replace the maniples system.

ANSWER: Gaius **Marius**

[10] Generally, only people of this legal status could become legionaries. Children of Roman freedmen automatically had this legal status, which allied Italic peoples fought the Social War in order to obtain.

ANSWER: Roman **citizens** [or **Civis** Romanus]

[10] During sieges, Roman troops often assembled into this formation, forming a closed box with their shields pointed outwards. It takes its Latin name from its similarity to a certain animal.

ANSWER: **testudo** formation [prompt on **tortoise** or **turtle** formation] <Brit/ClassHist, JZ>

13. This pathway consists of a classical pathway, alternative pathway, and lectin pathway. For 10 points each:

[10] Name this part of the humoral immune system. Proteins C5b, C6, C7, C8, and C9 of this pathway form a ring-shaped structure in bacterial cell walls called the membrane attack complex.

ANSWER: complement system

[10] The membrane attack complex induces cell death via this process which typically involves water rushing into the cell and causing it to burst.

ANSWER: cytolysis [accept word forms such as lysing or lyse]

[10] Another part of the humoral immune system are these Y-shaped proteins which which bind to antigens.

ANSWER: antibodies [or immunoglobulins] <Bio, AW>

14. This author published a study of French Symbolism titled *Axel's Castle* and discussed European socialism in *To the Finland Station*. For 10 points each:

[10] Name this prominent 20th-century critic, a proponent of "The Historical Interpretation of Literature" who championed the anthologizing and publication of a series of classics called *The Library of America*.

ANSWER: Edmund Wilson

[10] Wilson heavily influenced this author of the story "Winter Dreams." This author wrote a novel about the Hollywood rivalry between Monroe Stahr and Pat Brady.

ANSWER: F. Scott Fitzgerald [or Francis Scott Key Fitzgerald] (*The Last Tycoon*)

[10] This quintessential Jazz Age novel by Fitzgerald is narrated by Nick Carraway and is largely set in West Egg in New York.

ANSWER: *The* Great Gatsby <AmLit, JC>

15. This thinker took his reading of Hegel from his teacher, Alexander Kojève, and referred to Hegel as "the most sublime hysteric." For 10 points each:

[10] Name this post-structuralist, whose form of psychoanalysis centers on the relationship between the imaginary, the symbolic, and the real.

ANSWER: Jacques Lacan

[10] Lacan's analysis of the painting *Las Meninas* disagreed with the analysis of *Las Meninas* presented at the opening of this Frenchman's *The Order of Things*. This thinker also wrote *Madness and Civilization*.

ANSWER: Michel Foucault

[10] Foucault employed his own psychoanalysis in this book, which develops the "repressive hypothesis" that modern society and capitalism attempted to repress the natural libidinal instinct.

ANSWER: *The* History of Sexuality <Phil, WA>

16. These phenomena are the *sole* cause of recessions according to real business cycle theory. For 10 points each:

[10] Give the term for these phenomena, which are fluctuations that cause abrupt changes to aggregate supply and demand functions or production functions. They're described as exogenous when they change a model's variables from the "outside," meaning the model cannot predict them.

ANSWER: (real/economic) shocks

[10] A *negative* shock to the aggregate supply function, such as a decision by OPEC to restrict the amount of oil they choose to export, will have *this effect* on aggregate prices. A description is acceptable.

ANSWER: the prices increase [or obvious equivalents, like "they go up"]

[10] Increases in the quality of this factor are a common example of a positive shock to aggregate supply. The Solow model predicts that only increases in the quality of this factor allow for sustained long-run growth.

ANSWER: technology [or technical change; accept total factor productivity or multifactor productivity]

<SocSci, WA>

17. This man is the alphabetically-prior namesake of a 2009 act that extended an earlier legislation targeting hate crimes. For 10 points each:

[10] Name this African-American man who was abducted by three white supremacists and dragged to death in Jasper, Texas, in 1998.

ANSWER: James **Byrd**, Jr.

[10] The other namesake of the 2009 act was this gay University of Wyoming student whose 1998 killing is the basis of the play *The Laramie Project*.

ANSWER: Matthew **Shepard** [Matthew Wayne **Shepard**]

[10] The 2009 hate crimes act extended the earlier laws laid down by the Civil Rights Act of this year, which Lyndon Johnson passed amid the riots in the wake of the assassination of Martin Luther King, Jr. in this year.

ANSWER: 19**68** <AmHist, RY>

18. The conformation of these kinds of molecules can be visualized with sawhorse projections and Newman projections. For 10 points each:

[10] Name these saturated hydrocarbons that consist of sp³-hybridized carbons. They only contain carbon–hydrogen bonds and carbon–carbon single bonds.

ANSWER: **alkanes**

[10] Alkanes typically exist in the staggered conformation as opposed to the eclipsed conformation due to these sorts of effects, which are contrasted with electronic effects. These effects involve how much space a molecule takes, and hindrance due to it lowers the reactivity of some bulky molecules.

ANSWER: **steric** effects [or **steric** hindrance]

[10] In some situations, in spite of steric effects, some alkanes prefer this orientation of the conformer, where the two bulkiest groups are 60 degrees apart from each other, as opposed to the anti-conformer.

ANSWER: **gauche** isomer <Chem, AW>

19. Paul VI issued the encyclical *Mysterium fidei* to combat issues about this practice causing “pastoral anxiety” such as practicing it in private, which disturbed him. For 10 points each:

[10] Identify this practice, theological dispute about which arises from different interpretations of the Words of Institution.

ANSWER: **Eucharist** [or **Communion**; or **Lord’s Supper**; prompt on **Blessed Sacrament**]

[10] The Eucharist is one of these seven concepts in Catholicism, which are the primary ways in which God’s grace is brought to Earth; other examples include baptism and confirmation.

ANSWER: Seven **Sacraments**

[10] This name is given to the sacrament of providing the sick or spiritually ill with comfort and spiritual guidance, including remission of sins and the Eucharist.

ANSWER: extreme **unction** [prompt on anything involving **anointing** the sick] <Rel, WA>

20. This author wrote about Michael Boone, an artist who becomes involved in the theft of a painting by his idol Jacques Leibovitz, in his novel *Theft: A Love Story*. For 10 points each:

[10] Name this author who wrote another novel inspired by the real-life Ern Malley hoax, titled *My Life as a Fake*.

ANSWER: Peter **Carey** [Peter Philip **Carey**]

[10] This Peter Carey novel follows the exploits of an Anglican priest and an industrial heiress who bet on whether a trip to bring a glass church to Bellingen will succeed.

ANSWER: **Oscar and Lucinda**

[10] Peter Carey’s novel *Jack Maggs* reworks this novel’s character Abel Magwitch. Lloyd Jones wrote about Mr. Watts, who teaches this Dickens novel to villagers on war-torn Bougainville Island, in the novel *Mister Pip*.

ANSWER: **Great Expectations** <OLit, RY>

IF ADDITIONAL BONUSES ARE NEEDED: Report to the tournament director. Then, read a bonus from the tiebreakers packet that the tournament director determines the team has not yet heard.