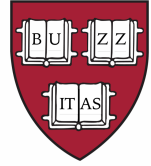


## Harvard Fall Tournament XI

Edited by Raynor Kuang and Robert Chu

Questions by Robert Chu, Raynor Kuang, Jason Park, Sriram Pendyala, Neil Gurram, Erik Owen, Jonathan Suh, Roger Jin, Vimal Konduri, and Mark Arildsen

And with thanks to Harvard College, MIT Quiz Bowl, and various playtesters



Round 13

Tossups

1. **Howell Cobb warned a proposed amendment to this legislation had kindled a fire “only seas of blood could extinguish.” A certain action at the age of 25 was described in the Tallmadge amendment to this legislation, and the “second” of this legislation concerned a revised state constitution in part excluding (\*) mulattoes.**

Henry Clay was instrumental in passing this agreement that took land out of Massachusetts to create the state of Maine, and it was later undone by the Kansas-Nebraska Act. For 10 points, name this agreement that set a northern limit for slavery and was named for the new midwestern state it admitted to the Union.

ANSWER: Missouri Compromise of 1820

2. **This thinker potentially critiqued Hegel’s prose by starting one of his works with a notoriously difficult to understand definition of self. This thinker likely used the example of Agnes and the Mermaid to reconcile his failed relationship with Regina Olsen, and he wrote (\*) *The Sickness Unto Death*.**

This thinker described the teleological suspension of the ethical performed by the knight of faith, who is contrasted with the knight of infinite resignation. This philosopher analyzed Abraham’s near sacrifice of his son Isaac in *Fear and Trembling*. For 10 points, name this early existentialist, a Danish philosopher who used lots of pseudonyms when writing *Either/Or*.

ANSWER: Soren Kierkegaard (don’t mention this unless the player argues, but there are *many* pseudonyms for Kierkegaard; prompt on any *correct* pseudonym, which you can verify with a quick google)

3. **In *Bicycle Thieves*, Antonio is relieved that his son is not the child he sees nearly die in a Roman one of these places. A dove representing the Pamphili and an obelisk appear in a statue depicting these things. This type of place names the second movement of Bedrich Smetana’s (\*) *Ma Vlast*.** Thomas Cole depicted a thunderstorm over one of these in *The Oxbow*, and himself belonged to a school named for one. Four figures representing them appear in a Bernini fountain, and Johann Strauss, Jr.’s most famous waltz is titled for one of these places. For 10 points, name these bodies of water such as the “Beautiful Blue Danube.”

ANSWER: rivers (accept synonyms; anti-prompt [ask for less specific] on specific rivers)

4. **Prominent brands originally founded for this activity include K2 and Rossignol, and participants in it can unconventionally lift their heels in its “telemark” variant. The federation FIS is named for this activity, and a characteristic “V” is produced when (\*) jumping in this activity.** Beginners in this activity learn techniques like “french fries” and “pizza,” and successful American athletes in this sport include Bode Miller and Lindsey Vonn.

This is the most popular of the sports that might involve “black diamond” ratings or take place at Aspen. For 10 points, name this winter sport in which people descend “slopes” by using poles and a namesake pair of thin planks.

ANSWER: alpine skiing (or downhill skiing)

5. **One autobiographical piece by this composer includes an oboe solo depicting a sex scene that is interrupted by the imitation of a crying baby. This composer of the *Symphonia Domestica* used thunder and wind machines to portray a (\*) storm he encountered as a child while climbing a mountain, and he included the section “Song of the Night Wanderer” in a tone poem beginning with the “Nature motif.” This composer of the *Alpine Symphony* used the rising notes C-G-C to symbolize a rising sunrise. For 10 points, name this German composer, who adapted a work of Friedrich Nietzsche into his *Also sprach Zarathustra*.**

ANSWER: Richard Strauss (prompt on just Strauss)

6. **The density parameter is inversely proportional to the square of this parameter, and its square is on the left of the first Friedmann equation. For the scale factor  $a$ , this value is  $\dot{a}/a$ , and the value of this quantity is about one over the (\*) age of the universe. Its empirical value is about 70 kilometers per second per megaparsec. This constant appears in a law of the same name relating the recessional velocity, or redshift, of galaxies to their distance, and that law containing this constant supports the expansion of the universe. For 10 points, give this constant named after an American scientist who also names a NASA space telescope.**

ANSWER: Hubble constant (accept Hubble’s Law, or basically anything mentioning Edwin Hubble)

7. **Two of these beings were seduced by Zuhra after visiting Babylon whereupon they began teaching sorcery. Harut and Marut were two of these beings, and two of them known as Raqib and Atid sit on a person’s shoulders while recording deeds. The second of the six articles of (\*) Islamic faith is belief in these beings. A figure was told “Recite!” by one of these beings who came down on the Night of Power, was named Jibril, and revealed the Quran to Mohammed. For 10 points, name these divine messengers of Allah, who in Judeo-Christianity have names like Michael and Gabriel.**

ANSWER: angels (or malāk or malā’ikah; accept archangels)

8. **The Compton wavelength is equal to the fine-structure constant times a quantity named for this man with a value of about 0.53 angstroms. This man described the imitation of quantum physics to classical mechanics at large numbers as the correspondence principle, and he has a namesake (\*) “radius.” The Rydberg formula for spectral lines is successfully explained by a model named for this man using transitions in energy levels, and that model named for this man preceded the quantum model. For 10 points, name this Danish physicist who theorized a model of the atom with positively charged nuclei and concentric rings of orbiting electrons.**

ANSWER: Niels (Henrik David) Bohr (accept answers like Bohr radius or Bohr model)

9. **In one of this author’s novels the Donald Duck comic-reading policeman Jaime Concha apparently dies in a fire before later drowning in a shipwreck as well. Urania Cabral’s life is juxtaposed with events on the day of Rafael Trujillo’s assassination in his (\*) *The Feast of the Goat*, and a group attempts to steal a chemistry exam at the Leoncio Prado Military Academy in this man’s first novel. The most famous novel by this author centers on an affair between Mario and the first title character, and includes several of Pedro Camacho’s radio serials. For 10 points, name this Peruvian author of *The Time of the Hero* and *Aunt Julia and the Scriptwriter*.**

ANSWER: (Jorge) Mario (Pedro) Vargas Llosa (prompt on partial answer)

10. **One of this director’s films uses a saxophone leitmotif that was the final score written by Bernard Herrmann. A shootout in a film by this composer was desaturated to receive an *R* rating, and ends with the protagonist pointing a bloody finger gun at his head. The intermezzo from (\*) *Cavalleria rusticana* opens a black-and-white film by this director ending with Jack LaMotta repeating “I’m the boss” while shadow boxing. A scene in one of his films shows Jack Bickle asking a mirror “You talkin’ to me!?” and starred this director’s frequent collaborator Robert de Niro. For 10 points, name this Italian-American director of *Raging Bull* and *Taxi Driver*.**

ANSWER: Martin Scorsese

11. The phrase “I approve this message” was spray painted on a vehicle near one of these things in part by Ajamu Baraka, and events around one of these things led Jack Dalrymple to declare a state of emergency. The town of Cannon Ball became a (\*) rallying point in opposition to the Bakken one, and TransCanada makes these things. One of these in North Dakota has been protested by a Sioux tribe, and Obama vetoed an XL extension to the “Keystone” one of these things over environmental concerns. For 10 points, name these often contentious infrastructure projects that transfer large amounts of oil.

ANSWER: pipelines (prompt on oil or other forms of energy answers, I guess)

12. In this book, a proto-computer called the Engine is built by the Projectors, who also scheme to turn ice into gunpowder. This novel’s main character is given as a pet to a girl named Glumdalclitch and asks to be excused from the custom of stepping on a cross while in (\*) Japan. This book’s title character is called a “Yahoo” by a species of super-intelligent horses. This novel describes a war over the best way to crack an egg among the Endians, and its title character towers over a race of six-inch tall people in Lilliput. For 10 points, name this novel in which a man named Lemuel travels to strange lands, written by Jonathan Swift.

ANSWER: *Gulliver’s Travels* (or *Travels into Several Remote Nations of the World. In Four Parts. By Lemuel Gulliver, First a Surgeon, and then a Captain of Several Ships*)

13. The Pawnee conducted this type of event whenever a man dreamed he was visited by the Morning Star, and they occurred at the Sacred Cenote. Training troops and collecting resources for these events were goals of the “flower wars.” On Mount Llullaillaco, several (\*) mummies were found showing the Incas used children during these events. The losers of ball games were often involved in these events. This type of event occurred atop the Great Pyramid of Tenochtitlán, where it was carried out by priests using a flint knife to remove the heart. For 10 points, name this practice common in early Mesoamerica in which people were killed to appease the gods.

ANSWER: human sacrifice (prompt on sacrifice; accept specific types of humans e.g. child or warrior; prompt on raiding or battle before “Sacred”)

14. One poem in this collection describes how the attorney Benjamin Pantier was driven “[t]o live with his dog in a dingy room” by his own wife. The “Epilogue” to this work includes a conversation between Yogarindra, Beelzebub, and Loki. Lucinda Matlock ends a poem in this collection by asserting, (\*) “It takes life to love Life,” and it opens with a poem asking for “Elmer, Herman, Bert, Tom and Charley” before declaring, “All, all are sleeping on the hill.” Most of the speakers in this collection are buried in Oak Hill Cemetery. For 10 points, name this poetry collection by Edgar Lee Masters narrated by dead, former residents of the title Illinois town.

ANSWER: *Spoon River Anthology*

15. The differential of this quantity is equal to  $T$  times  $dS$  minus  $p$  times  $dV$ , implying it is minimized at constant entropy and volume. Using the free expansion of gas into vacuum, Joule’s experiment kept this quantity and gravity constant. The temperature derivative of this quantity is the constant-volume heat capacity, and this (\*) state function is equal to the enthalpy minus the product of  $P$  and  $V$ . By the first law of thermodynamics, the change in this quantity is the heat supplied plus the work done, and it is symbolized by uppercase  $U$ . For 10 points, name this measure of the total energy inside a system given by the sum of the potential and kinetic energy.

ANSWER: internal energy (accept just energy before “uppercase  $U$ ” is read, and accept just internal after “energy” is first read; prompt on “uppercase U” before read)

16. **This figure condemned the “false and vile superstition” of the Hussites in a letter that began with a customary invocation of “Jesus, Mary.” La Hire [“ee-ra”] fought under this commander. Guillaume de Flavy stranded this figure outside the gates of Compeigne by lifting a drawbridge too soon, allowing John of (\*) Luxembourg to capture this leader, who was then subjected to a trial led by Bishop Pierre Cauchon. This figure approached the Dauphin Charles VII after seeing visions of saints, and helped lift the siege of Orleans before being ultimately burnt at the stake. For 10 points, name this commander of the Hundred Years’ War, a female “Saint.”**  
ANSWER: **Joan** of Arc (or **Jeanne** d’Arc; or St. **Joan**; prompt on Maid of Orleans before “Orleans” is read)

17. **Christopher Hampton translated this play for its 2008 Broadway run directed by Ian Rickson. A speech regarding a “universal soul” is given during an avant-garde play-within-this-play that is lambasted by the playwright’s mother Arkadina. Stanislavski’s first success with the (\*) Moscow Art Theatre was an 1898 staging of this play, and the line “If you ever need my life, come and take it” is inscribed on a medallion Nina gives in this play to her beloved, the novelist Trigorin. Konstantin shoots himself at the end of this play, and he had earlier shot the title animal as a gift. For 10 points, name this play by Anton Chekhov titled after an aquatic bird.**  
ANSWER: *The Seagull* (or *Chayka*)

18. **The Swiss saint Wiborada had her head cleaved by an axe while trying to defend these objects. A massive moving statue of one of these objects called the *Ruhnama* was constructed by the president of Turkmenistan. Abraham Lincoln addressed the creator of one of these objects as the (\*) “little woman [...] that made this big war,” and they were decorated in the process of “illumination” by monks. Mao Zedong made a “Little Red” one of these objects, and Nazi propagandists notably held events to destroy these things. For 10 points, name these objects that spread quickly across Europe after Johannes Gutenberg invented the printing press.**  
ANSWER: **books** (or **novels**; or **manuscripts**; or **texts**; or really any answer referring to a bound collection of writing, or on any subject)

19. **This protein’s post-translational modifications are detected by bromodomains and chromodomains. The phosphorylation of serine-139 in one family of this protein functions as a marker for double-stranded breaks. HATs such as Gcn5 and Tip60 transfer acetyl groups to (\*) lysines on the N-terminal tail of this protein. The “bead on a string” model describes how four distinct dimers of this protein assemble to form the core of a nucleosome, which can then bind to about 147 base pairs. For 10 points, name these positively-charged proteins around which DNA winds to form chromatin.**  
ANSWER: **histones**

20. **This figure is advised to ignore a man swimming in a river and an old woman weaving. This figure’s sisters die jumping off a cliff expecting Zephyr to catch them, and an oracle foretells that this figure will marry a winged serpent. A talking (\*) reed helps this woman gather golden wool, and she’s assigned to retrieve a box of beauty from Proserpina. This woman has the child Voluptas, and she accidentally drops hot lamp oil on a sleeping god who’d been visiting her in the dark. This woman was assigned a series of difficult tasks by Venus after falling in love with her son. For 10 points, name this girl who fell in love with Cupid.**  
ANSWER: **Psyche**

21. In field theory, the 'range' of a force is approximately equal to the reduced form of this quantity for its corresponding gauge boson. The energy levels of the particle-in-a-box are derived by assuming that a half-integer multiple of this property of the particle is equal to box length. The fundamental of an open pipe is given when this value is twice the (\*) length of the pipe, and two  $\pi$  divided by this value gives lowercase  $k$ , or the wavenumber. The phase speed is given by this property times the frequency, and visible light occurs when this property has values from about 400 to 750 nanometers. For 10 points, give this distance between consecutive troughs or peaks for a wave.

ANSWER: wavelength (accept lambda before read and Compton wavelength at any point in the question; do not accept or prompt on just "length" at any point, even at end of question)

## Bonuses

1. The force on a moving test charge equals the velocity of the charge crossed with this value. For 10 points each:

[10] Name this force field often contrasted with a similar “electric” variant. It starts at north poles and ends at south poles, including the ones on Earth.

ANSWER: **magnetic** field

[10] This theorem named for a Frenchman gives the total magnetic flux through any surface as proportional to the current penetrating the surface. Maxwell added a term to this equation involving the time-derivative of the electric field.

ANSWER: **Ampere**’s law

[10] Far away from a loop of current, the magnetic field is a dipole field where the dipole moment is equal to the current times *this property* of the loop.

ANSWER: **area** of the loop

2. The name of this mountain range is used in Dravidian languages to refer to the steps that lead to the bank of a river. For 10 points each:

[10] Name this mountain range of the Indian subcontinent split into “Eastern” and “Western” portions, both of which combine to enclose the Deccan Plateau.

ANSWER: **Ghats** (accept Eastern **Ghats**; accept Western **Ghats**)

[10] The Eastern and Western Ghats come close to meeting in the Indian state named for this ethnic group, the most abundant in the city of Chennai. They are the second most populous ethnicity in Sri Lanka behind the Sinhalese.

ANSWER: **Tamil** (accept **Tamil** Nadu)

[10] The Ghats serve as a home for the Indian subspecies of these pachyderms whose population is threatened by poachers who kill them for their ivory.

ANSWER: Indian **elephants** (or Asian **elephants**; or *Elephas **maximus** indicus*)

3. One poet from this modern day country wondered about the history between two people in the poem “Love at First Sight.” For 10 points each:

[10] Name this Eastern European nation, the home of Wislawa Szymborska. A more famous author from this country, Henryk Sienkiewicz, set his book *Quo Vadis* in ancient Rome.

ANSWER: Republic of **Poland** (or Rzeczpospolita **Polska**)

[10] This other Polish author’s poem “A Song on the End of the World” was translated by his son Anthony. He also wrote about Stalinism in the non-fiction book *The Captive Mind*.

ANSWER: Czeslaw **Milosz**

[10] In his memoir *Night*, Elie Wiesel recalled being marched to and imprisoned in this Nazi concentration camp in Poland.

ANSWER: **Auschwitz**

4. This book begins with an analysis of the gruesome execution of a man who attempted to kill Louis XV named Robert-François Damiens. For 10 points each:

[10] Name this work which cites Jeremy Bentham’s Panopticon as a way that authority creates “docile bodies.”

ANSWER: **Discipline and Punish: The Birth of the Prison** (or **Surveiller et punir: Naissance de la prison**)

[10] *Discipline and Punish* is a work by Michel Foucault, whose other works include one titled for *Madness and this other concept*. The Fertile Crescent and Yellow River were “cradles” of these early but complex societies.

ANSWER: **civilization**

[10] Foucault examined the “medical” variety of this phenomenon. Feminists often describe the “male” variety of this phenomenon, in which men objectify women with the way they view and look at them.

ANSWER: **gaze** (accept exact word only, or phrases containing the word)

5. [NOTE to moderator: see second part and make sure you don't accidentally reveal it before reading it!]

In the opening to this novel, the narrator describes how Rossini's *The Thieving Magpie* is the perfect length for cooking spaghetti. For 10 points each:

[10] Name this book whose first section centers on a man's search for a missing cat. Its second and third sections are titled after "the Prophesying Bird" and "the Bird-Catcher Man."

ANSWER: *The **Wind-Up Bird Chronicle*** (or ***Nejimakitori Kuronikuru***)

[10] Cooking spaghetti, missing cats, deep wells, and incest are all recurring motifs in this Japanese author's novels. His other books include *Norwegian Wood* and *1Q84*.

ANSWER: Haruki **Murakami** (Ed's note: @spaghetmurakami is a Twitter account solely consisting of Murakami quotes about spaghetti)

[10] Murakami's style is often compared to that of this European writer, for whom Murakami named a character "on the Shore." This author's books *The Trial* and *The Metamorphosis* examine bureaucracy and alienation.

ANSWER: Franz **Kafka** (accept **Kafka** *On the Shore*)

6. This agency was responsible for responding to the Valley of the Drums crisis. For 10 points each:

[10] Name this government agency created during Richard Nixon's administration. Its first head, William Ruckelshaus, later resigned his post as Deputy Attorney General during the Saturday Night Massacre.

ANSWER: **Environmental Protection** Agency (or **EPA**)

[10] Ruckelshaus oversaw hearings which led to the banning of this toxic chemical in the U.S. Its use was the main target of Rachel Carson's *Silent Spring*.

ANSWER: **DDT** (or **dichlorodiphenyltrichloroethane**)

[10] Another major victory for American conservationists was the passage of the Endangered Species Act in 1973, which led to increased populations of this national bird of the United States.

ANSWER: **bald eagle** (or ***Haliaeetus leucocephalus***; prompt on **eagle**)

7. The pyrophosphate form of this vitamin is an important cofactor in enzymes. For 10 points each:

[10] Name this vitamin with chemical name thiamine. Insufficient intake of it can lead to Korsakoff's syndrome and beriberi. Note: we need the number.

ANSWER: vitamin **B<sub>1</sub>** (prompt on vitamin **B**, without a number; prompt on **thiamine** if given before read)

[10] A deficiency in this numerically last of the B vitamins can result in pernicious anemia, mania, and even psychosis. Vegans are especially at risk for insufficient intake of this vitamin, since it's primarily found in animals.

ANSWER: vitamin **B<sub>12</sub>** (or **cobalamin**)

[10] Insufficient intake during pregnancy of folate, or vitamin B<sub>9</sub>, is strongly associated with this group of congenital disorders. These conditions encompass defects like spina bifida and the Chiari malformation.

ANSWER: **neural tube** defects

8. The third movement of one work by this composer uses two themes, one of which is the reverse of the other, earning it the nickname "Palindrome." For 10 points each:

[10] Name this composer, whose other symphonies include one beginning with a long timpani passage, the "Drumroll," as well as another whose second movement imitates the ticking of a clock.

ANSWER: (Franz) Joseph **Haydn**

[10] In addition to being known as the "Father of the Symphony," Haydn is also considered the father of this chamber ensemble consisting of two violins, a viola, and a cello. Haydn wrote a set of these works called "Sun."

ANSWER: **string quartet** (prompt on partial)

[10] Haydn's works were most notably compiled by this Dutch musicologist. Either the musicologist's full last name or the three-letter abbreviation is acceptable.

ANSWER: Anthony van **Hoboken** (accept **Hob.** numbers; prompt on **H** numbers)

9. This group quotes Ecclesiastes 7:1 to explain their practice of not celebrating birthdays. For 10 points each:

[10] Name this American Christian sect which publishes a pamphlet called *The Watchtower*.

ANSWER: **Jehovah's Witnesses** (prompt on partial answer; prompt on JWs)

[10] In addition to door-to-door preaching, Jehovah's Witnesses are known for their refusal to receive transfusions of this substance. During Communion, practitioners drink wine that transubstantiates into this substance from Christ.

ANSWER: **blood**

[10] A key tenet of Witness eschatology is that this many people will go to heaven and rule the kingdom of God alongside Christ. Awkwardly, this number is way lower than the current population of Witnesses, 8.2 million.

ANSWER: **144,000**

10. This king's prime minister William Grenville controversially appointed Charles Fox to the Ministry of All the Talents. For 10 points each:

[10] Name this British monarch who infamously presided over the rebellion of the American colonies. This "mad king" potentially had porphyria.

ANSWER: **George III** (prompt on George)

[10] George III's reign included the ministries of two men with this surname. The "Elder" one of them successfully led Britain to victory in the Seven Years' War.

ANSWER: **Pitt** (accept William **Pitt** the Elder; accept William **Pitt** the Younger)

[10] George III was the only monarch whose reign encompassed the entire lifetime of one of his Prime Ministers. That Prime Minister was this man, who was assassinated in 1812 by the disgruntled merchant John Bellingham.

ANSWER: Spencer **Perceval**

11. A collection of these things is owned by the sky god Nyame. For 10 points each:

[10] Name these things. To obtain a box full of these things, one character brought to Nyame Onini the python, Osebo the leopard, the Mmoboro hornets, and Mmotia the fairy.

ANSWER: **stories** (accept synonyms like **tales**)

[10] This trickster figure from Ashanti mythology successfully completed Nyame's tasks and won the box of stories. He most often appears in the form of a spider.

ANSWER: **Anansi** (or Kwaku **Ananse**; or **Anansy**; or **Aunt Nancy**)

[10] Anansi captures the Mmoboro hornets by telling them that this weather phenomenon is approaching. Native Americans in the American Southwest often did special "dances" to bring this form of precipitation.

ANSWER: **rain**

12. For 10 points each, demonstrate how well you know your UNIX commands:

[10] The Unix command "rm" is typically used to perform this action on a file or folder. In consumer applications, it's usually associated with your recycle bin or trash folders.

ANSWER: **deleting** it (accept word forms; accept obvious synonyms like **removing** it)

[10] The "grep" command uses regular expressions to perform this action on a file. In graphs, there are breadth-first and depth-first algorithms for doing it, while humans usually use the linear or binary varieties.

ANSWER: **searching** (accept word forms; accept **searching** for specific things, like strings)

[10] This Unix command lets you use the powers of another user account, but as its name implies, you're usually using it for root access.

ANSWER: **sudo** (prompt on su or superuser do)



13. This man derisively called the UN “le Machin,” or “the thingamajig.” For 10 points each:

[10] Name this World War II hero and founder of the French Fifth Republic. He angered Canada by shouting “Vive le Quebec libre!” at the 1967 Montreal World Expo.

ANSWER: Charles (André Joseph Marie) **de Gaulle**

[10] de Gaulle chafed at American and British dominance of this military alliance of Western nations, withdrawing French forces in 1959. Its Eastern counterpart was the Warsaw Pact.

ANSWER: **N**orth **A**tlantic **T**reaty **O**rganization

[10] Under de Gaulle, France ended the Algerian War of Independence by signing these “Accords,” for which de Gaulle was later targeted by the OAS for assassination in retribution.

ANSWER: **E**vian Accords

14. Answer the following about the artistic tradition of Switzerland. For 10 points each:

[10] The *Schwyzlerörgeli* is a Swiss version of this instrument. This keyed instrument makes noise by the expansion and contraction of bellows and is commonly used in zydeco and polka music.

ANSWER: diatonic button **accordion**

[10] Max Miedinger was inspired by Akzidenz-Grotesk to create this ubiquitous sans-serif typeface in 1957. This most famous example of the International Typographic Style is named for Switzerland’s Latin name.

ANSWER: **Helvetica**

[10] This Swiss-born artist is most famous for his *Twittering Machine*, which shows four birds sitting on a wire connected to a crank inexplicably floating in midair

ANSWER: Paul **Klee**

15. A PM from this party resigned in 1989 after being accused of receiving bribes from the company Recruit. For 10 points each:

[10] Name this right-wing party which has traditionally dominated the Diet since the end of World War Two.

ANSWER: **Liberal Democratic** Party (or **LDP**; or **Jiyu-Minshuto**)

[10] The LDP was founded during the reign of this emperor, who published numerous scientific papers about *Hydrozoa*. His reign included his delivery of the Jewel Voice Broadcast.

ANSWER: **Hirohito** (or Emperor **Shōwa**)

[10] Hirohito delivered the Jewel Voice Broadcast six days after the United States dropped an atomic bomb on this city. Tsutomu Yamaguchi survived both the bombing at Hiroshima and this city.

ANSWER: **Nagasaki**

16. Steal 30 points by naming things related to classic heist films, for 10 points each:

[10] Brad Pitt, Julia Roberts, and Matt Damon appeared in a heist film as part of this character’s casino-caping “Eleven.” George Clooney played this character in that film and its “Twelve” and “Thirteen” sequels, and Frank Sinatra had played him in the Rat Pack original.

ANSWER: **Danny Ocean** (accept either or both underlined parts; accept any of **Ocean’s Eleven**, **Ocean’s Twelve**, or **Ocean’s Thirteen**)

[10] As Charlie Croker, this actor planned the title gold theft in the original *The Italian Job*. He and his notorious Cockney accent have appeared in way too many Christopher Nolan films.

ANSWER: Sir Michael **Caine** (or Maurice Joseph **Micklewhite**)

[10] Nearly all heist films have borrowed an element or two from this 1955 French film, the granddaddy of heist films. It includes a silent, nearly thirty minute sequence in which a jewelry robbery is executed.

ANSWER: **Rififi** (or **Du rififi chez les hommes**)

17. For 10 points each, swish a three-pointer by naming these American authors who referenced basketball:

[10] This author's first novel *Rabbit, Run* centers on a former high school basketball star. This author then wrote sequels like *Rabbit Redux* and *Rabbit is Rich*.

ANSWER: John **Updike**

[10] Among the various sports the Swede excels at in this author's novel *American Pastoral* is basketball. This Jewish-American writer described a protracted breakup in the novella *Goodbye, Columbus*.

ANSWER: Philip **Roth**

[10] This author's *A Prayer for Owen Meany* ends with Owen discarding a live grenade by emulating a basketball dunk. He also wrote *The World According to Garp*.

ANSWER: John **Irving**

18. "Bro" it up by answering some questions about bromine, for 10 points each:

[10] Bromine is one of two elements on the periodic table that exists as this phase of matter at standard temperature and pressure, along with mercury.

ANSWER: **liquid**

[10] A historically important organobromine compound was a dye of this color produced by murex snails and named for Tyre. Permanganate compounds exhibit this color in aqueous solution.

ANSWER: **purple** (or **violet**)

[10] Methylmagnesium bromide is an example of these nucleophilic reagents that add to ketones to form tertiary alcohols. When added to carbon dioxide, these reagents react to form carboxylic acids.

ANSWER: **Grignard** reagent

19. This writer's namesake verse form consists of eight lines and then an alexandrine. For 10 points each:

[10] Name this inventor of a namesake "stanza" and the author of an epic poem about the Redcrosse Knight and Sir Britomart.

ANSWER: Edmund **Spenser**

[10] The Spenserian stanza as used in *The Fairy Queene* uses this rhythm. This extremely common rhythm is named for the unstressed-stressed foot making it up, and has *nothing* to do with the number of such feet.

ANSWER: **iambic** (accept **iamb**; do not accept or prompt on over-answers, like "iambic pentameter")

[10] The Spenserian stanza was also used by this poet in his poem *Childe Harold's Pilgrimage*. This poet names a type of brooding hero and wrote works like "Don Juan" and "She Walks In Beauty."

ANSWER: Lord **Byron** (or George **Gordon** Byron)

20. The artist of this work created the illusion of motion by painting adjacent yellow and gray areas with the same luminance. For 10 points each:

[10] Name this abstract painting by Piet Mondrian. In it, yellow lines meeting at right angles form squares that symbolize the city grid of Manhattan and the artist's love of jazz.

ANSWER: ***Broadway Boogie Woogie***

[10] *Broadway Boogie Woogie* is dominated by the aforementioned yellow and gray, as well as red and this other color. Thomas Gainsborough painted Jonathan Buttall in his work named for a *Boy* of this color.

ANSWER: **blue** (accept *The **Blue** Boy*)

[10] Piet Mondrian founded the movement "De Stijl," or "The Style" with this other Dutch artist, whom Mondrian broke with after this artist heretically tried using diagonal lines in his "elementarism."

ANSWER: Theo van **Doesburg**

21. Marjane Satrapi wrote a memoir about her youth in this country in the graphic novel *Persepolis*. For 10 points each:

[10] Name this country. Its native language Persian, or Farsi, was used to write its national epic the *Shahnameh* by Ferdowsi.

ANSWER: Islamic Republic of **Iran**

[10] Azar Nafisi wrote a memoir titled after reading this book “in Tehran.” Humbert Humbert serves as unreliable narrator in this American novel while lusting after the title youthful nymphet.

ANSWER: **Lolita**

[10] This masterpiece by Sadeq Hedayat uses modernist techniques and fevered dream writing. It’s probably the most notable Persian novel of the 20th century, and if it helps, it’s titled after a nocturnal bird.

ANSWER: *The **Blind Owl***