

Harvard Fall Tournament XI

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



Round 11

Tossups

1. Esters in which one of the oxygens is bonded to this molecule can react with Lewis acids in the Fries rearrangement. A chromium atom is bonded to two molecules of this compound in one of the first recorded “sandwich” complexes. Replacing a carbon atom in this molecule with nitrogen produces (*) pyridine, and adding a methyl group to this molecule yields toluene. A vision of a snake eating its tail inspired August Kekulé to solve the structure of this molecule, which contains alternating single and double bonds. This molecule is drawn as a hexagon with a circle, and it has formula C_6H_6 . For 10 points, name this cyclic aromatic molecule.

ANSWER: benzene (or benzol; or phene; or phenyl hydride; or 1,3,5-cyclohexatriene; prompt on “ C_6H_6 ” before it is read)

2. One song from this album pleads “let me take a bite” after comparing a town to an apple, and the singer argues with Paul McCartney over a woman on the first of its seven singles. This album contains the songs “Human Nature” and “The Girl is Mine,” and it followed *Off the Wall*. An (*) anti-gang song from this album has lyrics like “don’t be a macho man” and “it doesn’t matter who’s wrong or right.” One song in this album claims that the title woman “is not my lover” and that “the kid is not my son.” For 10 points, name this Michael Jackson album containing the songs “Beat It,” “Billie Jean,” and a title track with a music video containing dancing zombies.

ANSWER: Thriller

3. The final issue of a magazine called *The Blind Man* was devoted to discussing a work by this artist. He hung a snow shovel from a wall to create his *Prelude to a Broken Arm*, and he assembled 152 marble cubes in a cage in an artwork whose title, *Why Not Sneeze*, (*) *Rose Sélavy*? references one of his pseudonyms. A mustachioed version of the Mona Lisa known as *L.H.O.O.Q.*, as well as a work labeled “R. Mutt” are examples of this man’s “readymades,” which include a work that was just a urinal. For 10 points, name this Dadaist behind *Fountain* and the abstract *Nude Descending a Staircase, No. 2*.

ANSWER: (Henri-Robert-)Marcel Duchamp

4. This man’s 2006 memoir is titled *You Must Set Forth at Dawn*, and he used toilet paper to write his prison memoir *The Man Died*. This writer warned against interpreting his most famous play as a “clash of cultures,” and that play opens with a man telling the story of the Not-I bird to the Praise Singer. (*) Baroka clashes with the school teacher Lakunle over the beautiful Sidi in his *The Lion and the Jewel*, and in this man’s most famous play, Olunde kills himself in the place of his father Elesin after the British officer Simon Pilkings prevents a ritual suicide. For 10 points, name this Nigerian playwright of *Death and the King’s Horseman*.

ANSWER: Wole Soyinka

5. David Canon argued that this man had only sponsored three bills that became law, including one renaming a post office in Janesville, and his most recent opponents have included Paul Nehlen and Ryan Solen. With Patty Murray, this man helped pass the (*) Bipartisan Budget Act of 2013, and he proposed a budget called the “Path to Prosperity.” After the Freedom Caucus refused to support Kevin McCarthy to replace John Boehner, this man was chosen as a compromise candidate instead. This man was the 2012 Republican nominee for Vice-President. For 10 points, name this Republican congressman from Wisconsin and current Speaker of the House.

ANSWER: Paul Davis Ryan

6. After this event, leaders of one side such as Örkesh Dölet fled to France with the aid of Operation Yellowbird. One group during it rallied around a papier-mache statue of the “Goddess of Democracy,” and it took place in a location containing the (*) Monument to the People’s Heroes and a state mausoleum. The end of this event was the June 4th incident, and it was triggered by the death of Hu Yaobang [“hoo yaow-bang”]. A photograph showing a man standing in front of a line of tanks was taken during it. For 10 points, name this 1989 event in which protesters were brutally cracked down on in the namesake Beijing square.

ANSWER: Tiananmen Square protests of 1989 (accept synonyms for protest; accept “massacre” or “incident” and synonyms in place of protests; accept June 4th incident before mention)

7. One figure began selling his daughter Mestra into slavery after this goddess cursed him with eternal hunger. This goddess birthed the horse Arion, and an ivory shoulder was fashioned for Pelops after she absent-mindedly ate it. After being interrupted while apparently burning Demophon to (*) make him immortal, this goddess taught the secrets of her trade to Triptolemus, and she presided over the Eleusinian mysteries. After her daughter was kidnapped by Hades, this goddess wandered the Earth for a year, causing humans to starve since nothing would grow. For 10 points, name this mother of Persephone, the Greek goddess of agriculture.

ANSWER: Demeter (accept Ceres before “Greek” is read)

8. A novel set in this city concerns Curtis Jadwin, whose obsession with the title place causes him to hear the word “wheat” repeatedly in his head. This is the setting of Frank Norris’ *The Pit*, and a resident of this city is defended by Boris Max after using a pillow to accidentally (*) smother Mary Dalton. In addition to Bigger Thomas, Esperanza Cordero is a resident of this city who moves from Loomis Street to the title location. This city is the setting of *The House on Mango Street* and *Native Son*, and one poet called it “City of the Big Shoulders” and “Hog Butcher to the World.” For 10 points, name this city, the addressee of a Carl Sandburg poem.

ANSWER: Chicago, Illinois

9. John Kimber was acquitted of murder for actions while participating in this practice. A series of letters by Afonso I requested Joao III to curtail this practice among his subjects. Kingdoms which benefited from this economic activity included Oyo and Dahomey. Olaudah Equiano and (*) William Wilberforce fought against this practice, and John Newton wrote the song “Amazing Grace” after becoming disillusioned with this practice. Along with distilling rum and growing sugar, this practice made up the third side of the “triangle trade.” The “middle passage” was part of, for 10 points, what practice of buying and selling humans?

ANSWER: Atlantic slave trade (accept close equivalents such as buying slaves or selling slaves or transporting slaves; prompt on slavery and equivalents; anti-prompt [ask for less specificity] on middle passage before mention)

10. **This statement explains why there is a limit on the line-width of spectral lines, and a generalization of it is given by the Robertson-Schrodinger relation. This statement follows since the commutator of certain conjugate variables is nonzero, and it can be given as an (*) inequality involving \hbar over two.** A thought experiment showing this statement describes the trade-offs in measuring a particle with a microscope, and one usage of it states that both position and momentum cannot be known with exact precision. For 10 points, give this “uncertainty” principle named for a German physicist.

ANSWER: Heisenberg’s uncertainty principle (accept either or both underlined part, but accept just Heisenberg after “uncertainty” is read and prompt if they just try giving uncertainty principle again)

11. **Osmium tetroxide is used in a type of staining described by this adjective that stains the background and leaves the original specimen untouched. The “triple” form of this descriptor describes a type of breast cancer, and viral RNA of this type must be transcribed to mRNA before translation. This adjective describes the (*) feedback loop in which a process’s output reduces the process rate, and bacteria with thin cell walls will produce this result in the Gram stain. The absence of the hormone hCG produces only one strip in a test result described by this adjective.** For 10 points, give this adjective that describes the result if a test says you’re not pregnant.

ANSWER: negative (accept specific negatives like negative staining or Gram-negative)

12. **This book cautions against using banknotes that are too large in a section “of the division of stock,” and it criticizes the hereditary law of primogeniture in a section “on the natural progress of opulence.” This book argues (*) Scotland should let France make wine and then just import it, and also for the accumulation of capital instead of a policy that emphasizes precious metals. This book uses the example of a pin factory to illustrate the division of labor, and it supports laissez-faire economics through the concept of a manipulating “invisible hand.”** For 10 points, name this early text on economics written by Adam Smith.

ANSWER: *The Wealth of Nations* (or *An Inquiry into the Nature and Causes of the Wealth of Nations*)

13. **This author divided his books into categories like “novels of ingenuity” or “novels of character and environment,” which includes his book *The Woodlanders*. In one of his novels, the protagonist’s partner abandons him for Philotson while he’s attempting to become a scholar Christminster. In that novel by this author, the note (*) “Done because we are too menny” is left before Little Father Time hangs himself. In another of this author’s novels, the protagonist is arrested at Stonehenge after stabbing Alec and leaving Angel Clare.** For 10 points, name this author of Wessex novels like *Jude the Obscure* and *Tess of the D’Urbervilles*.

ANSWER: Thomas Hardy

14. **The regular polyhedron that has this many faces is given the Schlafli symbol “3, 3,” and the Klein group has this order. In evolutionary biology, this number of “Fs” denotes the basic drives needed for human (*) survival. The total power radiated from a surface is proportional to this power of absolute temperature according to the Stefan-Boltzmann Law, and an atom loses this many neutrons and protons total when undergoing alpha decay. There are this many fundamental forces.** For 10 points, give this number of hydrogen atoms in methane and the atomic number of beryllium.

ANSWER: four

15. **As senator, one member of this family drafted a namesake Hurricane Survey Act and was implicated in a plan to install Smedley Butler as a fascist president, known as the Business Plot. One member of this family threw up at a (*) Japanese state dinner, gave the “thousand points of light” speech, won the presidency with the assistance of an ad showing a tank-riding Michael Dukakis, and promised “Read my lips: no new taxes.” One member of this family named an era of tax cuts and began the “No Child Left Behind” education policy.** For 10 points, name this American political family of two presidents named George.

ANSWER: Bush family (accept Prescott Bush; accept George Herbert Walker Bush; accept George Walker Bush)

16. This figure's correspondence with Sidney Herbert inspired the commissioning of a prefabricated building by Isambard Kingdom Brunel that was erected at Renkioi. This person invented a circular "rose" histogram known as a "coxcorn" that illustrated causes of death. This figure founded a school at St. Thomas (*) Hospital, and her time at Scutari led her to pen an excoriation of living conditions that caused ten times more soldiers to die of disease than of battle. *The Times* called this woman "The Lady with the Lamp" for her work during the Crimean War. For 10 points, name this British pioneer of nursing.

ANSWER: Florence Nightingale

17. One work in this medium in Indianapolis shows the Archangel Michael holding a horn and raising his right hand. *Angel of the Resurrection* is a work in this form used in several war memorials by Christopher Whall. During the medieval era, a uniquely (*) blue type of this medium was created in Chartres, and Art Nouveau examples were prominently made by Louis Comfort Tiffany. Color can be added to these works by infusing gold or manganese salts into the "soda-lime" variety of its main constituent, which is usually clear. For 10 points, name this type of artwork often seen in the windows of churches and cathedrals.

ANSWER: stained glass windows (prompt on "glass"; prompt on "windows")

18. One composer from this country wrote the *Rebirth* symphony before being killed by an avalanche. This non-German country was the home of a pianist who wrote a famous *Minuet in G* and also served as its Prime Minister. One work from this country calls for 52 strings to bow on the wrong side of the bridge to depict an (*) atomic bombing, and was titled *Threnody to the Victims of Hiroshima*. A native son of this country commemorated its November Uprising in his "Revolutionary" etude and wrote the Minute Waltz. For 10 points, name this home country of Krzysztof Penderecki ["kuh-zhish-tof pen-der-ET-skee"] and Frederic Chopin.

ANSWER: Republic of Poland (or Rzeczpospolita Polska; the first sentence references Miecysław Karłowicz, while the second references Ignacy Jan Paderewski)

19. This type of religious event marks the emergence of a new soul called the *neshamah*. A participant will navigate the shortest route to the *bimah* for the first time during the course of this event. A person undergoing this event customarily gives blessings called *aliyot* and is called upon to (*) lead the *haftarah* part of the service. The *tallit* and *tefillin* are allowed to be worn as a result of this event, and the Talmud calls for this event to occur at the age of thirteen. For 10 points, name these ceremonies which youth participate in to celebrate their entrance into adulthood and the Jewish faith.

ANSWER: bar mitzvah (or bat mitzvah; or b'nai mitzvah; or b'not mitzvah; prompt on aliyah or aliyot before mention; prompt on Sabbath; prompt on reading from the Torah or equivalents; prompt on coming of age or becoming an adult or other synonymous answers)

20. The protagonist of a work in this language tricks a blind man by telling him to jump over a nonexistent ditch, leading that man to smash his head against a pillar. A poet used this language to satirize the "superlative nose" of his rival, whose "cultarism" contrasted with his "conceptism." The residents of the town of (*) "Sheep Well" murder the Commander in a play written in its Golden Age. The protagonist of a work in this language is defeated by the Knight of the White Moon, champions Dulcinea, rides the horse Rocinante, and tilts at windmills. For 10 points, name this language, whose authors included Calderón de la Barca and Miguel Cervantes.

ANSWER: Spanish (or español; accept word forms; *Ed's note: the first work mentioned is Lazarillo de Tormes; the two feuding poets are Francisco de Quevedo and Luis de Góngora; the play is Fuenteovejuna; the last work mentioned is Don Quixote*)

21. **Because one institution in this state was visible from interstate highways, Tom C. Clark opined that the Commerce Clause could be used to compel it to serve black clients. In response to another case originating from this state, Andrew Jackson said, (*) “John Marshall has made his decision; now let him enforce it!”** That case ruled that only the federal government could negotiate with Indian tribes and was titled *Worcester v. [this state]*. The death penalty was temporarily suspended in the U.S. after William Henry Furman won a case against this state. For 10 points, name this Southern state at the center of the case *Heart of Atlanta Motel v. U.S.*

ANSWER: **Georgia** (accept *Worcester v. Georgia*; accept *Furman v. Georgia*)

Bonuses

1. Raymond Chandler's Philip Marlowe and Mickey Spillane's Mike Hammer were examples of the stock character that named this category of fiction. For 10 points each:

[10] Name this genre of fiction exemplified by the "hardboiled" variety of its namesake character.

ANSWER: **detective** fiction (prompt on crime fiction; prompt on mystery fiction; accept synonyms for detective like private investigator)

[10] The hardboiled detective Sam Spade searches for the title figurine after meeting the femme fatale Brigid O'Shaughnessy in this Dashiell Hammett novel.

ANSWER: *The **Maltese Falcon***

[10] Detective fiction is itself a subgenre of crime fiction--this hardboiled crime fiction author's books *The Postman Always Rings Twice* and *Double Indemnity* were both later adapted into noir films.

ANSWER: James M(callahan) **Cain**

2. Answer the following about San Diego, for 10 points each:

[10] San Diego calls itself America's capital of the "craft" form of this beverage produced by companies such as Ballast Point and Iron Fist. The country's largest producer of this drink, however, is St. Louis' Anheuser-Busch.

ANSWER: **beer** (or **lager**; or **ale**; or any specific kind of beer; prompt on alcohol and equivalents)

[10] This Mexican city, the largest in Baja California, is located directly south of San Diego, with which it shares the busiest land border crossing in the world. It is known for its high levels of drug and cartel-related crime.

ANSWER: **Tijuana**

[10] This affluent neighborhood in the northwest part of San Diego is home to attractions such as the Torrey Pines golf course, the campus of UCSD, and Black's Beach, the largest nude beach in the U.S.

ANSWER: **La Jolla** ["hoya"]

3. When one of John von Neumann's students once asked if a homework problem had another solution, he thought and then said: "Yes." For 10 points each:

[10] In another anecdote, von Neumann complained about a student failing to understand even after von Neumann gave the answer twice to a problem involving this operation. This operation can be approximated numerically using Simpson's rule, or as the limit of Riemann sums.

ANSWER: **integration** (accept word forms; accept **anti-derivative** or **anti-differentiation** and their word forms)

[10] In a third anecdote, von Neumann instantly solved a brainteaser by calculating one of these infinite sums rather than use the actual trick solution. Informally, they're the sum of infinite sequences, and they can be convergent or divergent.

ANSWER: **series**

[10] More seriously, with Bernays and Gödel, von Neumann names an extension to this axiomatic system of set theory. When the axiom of choice is included in this theory, it's abbreviated ZFC.

ANSWER: **Zermelo-Fraenkel** set theory (prompt on ZFC)

4. This city was served by a port at the nearby town of Ostia. For 10 points each:

[10] Name this ancient city which was sacked by Visigoths under Alaric in 410 BCE. The massive empire named after this city is usually said to have fallen in 476 after being taken over by Vandals.

ANSWER: **Rome**

[10] Rome had previously been sacked in 387 BCE by Brennus, a leader of these people based in modern France. Julius Caesar claimed their land was divided into three parts and crushed their leader Vercingetorix at Alesia.

ANSWER: **Gauls** (anti-prompt [ask for less specificity] on **Arverni**)

[10] By the time Alaric sacked Rome, it had been replaced as the imperial capital by this other Italian city. After the fall of Rome, this city became the capital of the Ostrogothic Kingdom.

ANSWER: **Ravenna**

5. In this book's opening chapter, thugs break into a house as one of the protagonists reads *National Geographic*. For 10 points each:

[10] Name this book which compares the life of the cook Biju in New York City with that of the Westernized Sai in her native country. This novel won the 2006 Man Booker Prize for its author, Kiran Desai.

ANSWER: *The **Inheritance of Loss***

[10] Kiran Desai is a writer from this populous Asian country, also the birthplace of Salman Rushdie and Vikram Seth.

ANSWER: Republic of **India** (or **Bharat** Ganarajya)

[10] This Calcutta-born writer wrote the *Gitanjali*, or *Song Offerings*, and was the author of both India and Bangladesh's national anthems.

ANSWER: Rabindranath **Tagore** (or Ravindranatha **Thakura**; prompt on **Gurudev**)

6. The first movement of this piece uses a melody its composer heard a blind beggar playing on the violin. For 10 points each:

[10] Name this piece for piano and orchestra by Manuel de Falla. Its first movement is titled "In the Generalife," while its second movement, "Distant Dance," was inspired by flamenco music.

ANSWER: ***Nights in the Gardens of Spain*** (or ***Noches en los jardines de España***)

[10] Another Spanish composition inspired by gardens was Joaquín Rodrigo's *Concierto de Aranjuez*, which features this six-stringed instrument as a soloist. Chords can be played on this instrument using a pick, and people usually play the electric or acoustic variety.

ANSWER: **guitar**

[10] "The Salley Gardens" is a song by this British composer, who adapted a theme from Henry Purcell's *Abdelazer* into his most famous work. He also wrote the *War Requiem* and the opera *Peter Grimes*.

ANSWER: (Edward) Benjamin **Britten**

7. In honor of Michael Phelps' and Katie Ledecky's exploits in Rio, answer the following about historically dominant athletic performances, for 10 points each:

[10] This man would still be the NHL's career points leader even if he had never scored a goal. Unfortunately for his opponents, he also scored 894 NHL regular season goals, earning him the nickname "The Great One."

ANSWER: Wayne (Douglas) **Gretzky**

[10] Spectators at the Rio Games also saw Usain Bolt complete the "triple triple," winning gold in the 100 meter sprint, the 200 sprint, and this other event. We want a number and distance.

ANSWER: **4x100** meter sprint relay (prompt on just "100 **relay**")

[10] Two of the most mind-bendingly dominant streaks ever, Heather McKay's 19-year undefeated stretch and Jahangir Khan's 555 straight victories, both occurred in this sport.

ANSWER: **squash**

8. This element was provisionally named eka-manganese by Mendeleev. For 10 points each:

[10] Name this element with atomic number 43 and chemical symbol Tc. This element's 98-isotope has a half-life of 4.2 million years and can be detected in the spectrum of some red giants.

ANSWER: **technetium**

[10] Technetium is part of this group of "metals" located in the d-block of the periodic table. These elements usually have several oxidation states, making them useful as catalysts.

ANSWER: **transition** metals

[10] Technetium-99m displays this phenomenon, in which a system spends an extended period of time in a state that does not have the least energy. Diamonds and avalanches also display this phenomenon.

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

9. For 10 points, name some things related to Christian evangelism:

[10] The words "evangelism" and "gospel" can both be loosely translated as this phrase. You've probably heard someone knocking at your door asking if you've "heard [this three word phrase]."

ANSWER: "the **Good News**"

[10] Among the first pieces of "evangelism" might have been the Sermon on the Mount, in which Jesus also gives this set of eight "blessings," including ones to the "merciful" and "pure in heart."

ANSWER: the **Beatitudes**

[10] A modern emphasis on child evangelism has focused on a "window" of children between these two ages. That window was named by Bryant Meyers, who also came up with the 10/40 window.

ANSWER: **4** and **14** (accept **4/14** Window; prompt on partial answer)

10. The main characters in this play, a judge and country girl, are symbolically named Adam and Eve. For 10 points each:

[10] Name this most famous play by the German Heinrich von Kleist. It centers on a trial concerning who broke the title object.

ANSWER: *The **Broken Jug***

[10] *The Broken Jug* was first staged by this titan of German literature, whose own contributions include the verse drama *Faust* and the novel *The Sorrow of Young Werther*.

ANSWER: Johann Wolfgang von **Goethe** ["GUR-tuh"]

[10] Goethe also frequently staged plays by this longtime playwright friend, who wrote about the split between the Moor brothers in *The Robbers*. In his most famous play, the title character fails to salute Gessler's cap.

ANSWER: Friedrich **Schiller** (*Ed's note: the unnamed play is William Tell*)

11. One politician with this surname created a namesake "foundation" that promoted social welfare projects, including a theme park called the "Republic of the Children." For 10 points each:

[10] Give this surname of a South American political couple who were supported by the *descamisados*, or "shirtless ones." Their first names were Juan and Eva.

ANSWER: **Perón**

[10] Juan Perón and his wife Eva led this South American country. During its "Dirty War," many political opponents were "disappeared" by a right-wing government based in Buenos Aires.

ANSWER: **Argentina** (or the **Argentine** Republic)

[10] Both Juan and Eva Perón gave speeches from the balcony of this executive mansion next to the Plaza del Mayo in Buenos Aires. Its namesake color was a combination of colors of the rival Federales and Unitarians.

ANSWER: **Casa Rosada** (or the **Pink House**)

12. Agile. Lean. Other buzzwords. For 10 points each, name some things related to software development:

[10] Perhaps the most fundamental part of development is looking for these unexpected defects in your code. Grace Hopper originally coined the name for these problems when she found a literal moth in one of her servers.

ANSWER: **bugs** (accept **de**bug**ging** and word forms)

[10] To properly work with your team, you'll need to use version control on your code. By far the most popular version control system is this one invented by Linus Torvalds, which is also hosted on a namesake "Hub" website.

ANSWER: **git** (accept **Git**Hub.com)

[10] The "waterfall" model usually puts this stage of development after "coding," though agile development does it concurrently. Its "Unit" type considers isolated code chunks.

ANSWER: **testing** (do not prompt on synonyms)

13. Mary Leigh threw a hatchet at this man, but missed and hit Irish politician John Redmond instead. For 10 points each:

[10] Name this British Prime Minister during the start of World War I, who resigned after the failure at Gallipoli.

ANSWER: H(erbert) H(enry) **Asquith**

[10] H.H. Asquith was replaced as Prime Minister by David Lloyd George, who would become one of the "Big Four" at negotiations for this treaty that was notoriously harsh toward Germans.

ANSWER: Treaty of **Versailles**

[10] The Allied forces lost at Gallipoli are honored by ANZAC Day, which is celebrated in New Zealand and this other Pacific country. It was originally founded as a penal colony for English convicts.

ANSWER: Commonwealth of **Australia**

14. For 10 points each, answer the following questions relating to RNA:

[10] In addition to having different sugars, RNA differs from DNA by having this pyrimidine nucleobase. This "U" nucleotide is the demethylated form of thymine.

ANSWER: **uracil** (prompt on **U**)

[10] It turns out RNA molecules can also act as catalysts, as evidenced by ribozymes that mediate peptidyl transferase activity in these organelles. There are A, P, and E sites in this organelle that help it chain together polypeptides.

ANSWER: **ribosome**

[10] Scientists at Merck discovered an antibiotic that inhibits this non-coding structural element on bacterial mRNAs. These elements bind to metabolites such as FMN and regulate expression of the downstream gene.

ANSWER: **riboswitch**

15. Name the following cities that suffered race riots in America, for 10 points each:

[10] Accusations that Dick Rowland had sexually assaulted Sarah Page in an elevator led to a series of 1921 riots in this city, which destroyed its wealthy African-American district of Greenwood.

ANSWER: **Tulsa**, Oklahoma

[10] Rumors that a black woman and her child had been thrown into a river sparked 1943 riots in this city beginning in its Belle Isle Park. This city acquired the nickname "Motown" due to its vibrant auto manufacturing industry.

ANSWER: **Detroit**, Michigan

[10] The anti-Hispanic Zoot Suit riots took place in this city, as did a 1965 riot prompted by the arrest of motorist Marquette Fry and allegations of police brutality.

ANSWER: **Los Angeles**, California (or **LA**; anti-prompt [ask for less specific] on **Watts**)

16. War! What is it good for? Well, why don't you ask your local war deity. For 10 points each:

[10] This war god was the father of Romulus and Remus in Roman mythology. He known as Ares to the Greeks.

ANSWER: **Mars**

[10] The triple goddess of the Morrigan is sometimes considered a war goddess from the culture of this modern day country. Cuchulainn and the Ulster Cycle also originate from this country.

ANSWER: **Ireland** (or **Eire**)

[10] Perun was a god of these peoples at least partially associated with war, but more prominently was a thunder god and the chief of the pantheon. Other gods in this system included Veles and Svarog.

ANSWER: **Slavic** (anti-prompt [ask for less specific] on **Russians** or **Poles** or **Czechs** or really, citizens of any country that was at one point part of the Soviet Union)

17. This architect's donation of a design for the sanctuary of the Congregation Kneses Tifereth Israel in Westchester, New York is often interpreted as an atonement for his support of the Nazi regime. For 10 points each:

[10] Name this architect who designed two slanting towers in Madrid known as the Gate of Europe. He also built the Crystal Cathedral in Orange County, California.

ANSWER: Philip (Cortelyou) **Johnson**

[10] Philip Johnson's personal residence in New Canaan, Connecticut was named for and built mostly of this substance. I.M. Pei designed a pyramid constructed out of this substance for the entrance to the Louvre.

ANSWER: **glass** (accept **Glass** House; accept **glass** pyramid)

[10] Johnson also helped design a large office building at 101 California Street in this U.S. city. This city's skyline is dominated by the Transamerica Pyramid.

ANSWER: **San Francisco**, California

18. One of these things refers to logical fallacies arising from a misunderstanding between names and what they represent. For 10 points each:

[10] Name these concepts. They include "of the Market Place," "of the Cave," "of the Tribe," and "of the Theatre."

ANSWER: **Idols** (accept any of the specific **idols** mentioned)

[10] The four idols appear in the *Novum Organum*, a work by this English author. He also described a utopian society in *The New Atlantis*, and is usually attributed the phrase "Knowledge is power."

ANSWER: Francis **Bacon**, 1st Viscount St Alban (*Ed's note: accept "France is bacon"*)

[10] The *Novum Organum* was a key work in the development of this practice's namesake "method," which includes making a hypothesis and performing experiments.

ANSWER: **science** (or the **scientific** method)

19. One book on this topic uses the design of airplanes as an analogy for the need to properly establish a problem before trying to solve it in the chapter "Eyes that Do Not See." For 10 points each:

[10] Name this discipline, a "new" type of which must be moved toward in a treatise by a man who developed "five points" for it. It is also the subject of "four books" by Andrea Palladio.

ANSWER: **architecture**

[10] Ten books on engineering and construction comprise this Roman's *De architectura*. He lends his name to a drawing showing a naked man with arms and legs outstretched and inscribed in a circle.

ANSWER: **Vitruvius** (accept **Vitruvian Man**)

[10] *Vitruvian Man* is a work by this Italian Renaissance artist, whose sketchbook also includes crude prototypes of tanks and helicopters. He is more well known for his *Mona Lisa*.

ANSWER: **Leonardo** di ser Piero **da Vinci** (accept either underlined portion)

20. This poet's death was fictionalized in Pat Barker's novel *The Ghost Road*. For 10 points each:

[10] Name this British poet whose most famous poem describes an "ecstasy of fumbling" and rages against "the old Lie" propagated by an ancient Horace poem.

ANSWER: Wilfred **Owen**

[10] Owen wrote "Dulce et Decorum Est" about a gas attack during this conflict. Owen's close friend Siegfried Sassoon also fought in this conflict.

ANSWER: **World War I** (or **WWI** or the **Great War**)

[10] Owen's work is typically contrasted with that of the more patriotic Rupert Brooke, especially this Brooke sonnet that pleads to remember that "there's some corner of a foreign field / That is for ever England."

ANSWER: "The **Soldier**"

21. As prime minister, one politician with this surname initiated Project-706, which eventually led to the Chagai-I nuclear test in 1998. For 10 points each:

[10] Give this surname shared by several leaders of one country's Peoples Party. A female former prime minister with this surname was killed in 2007 by a suicide bomber in Rawalpindi.

ANSWER: **Bhutto** (accept Zulfikar Ali **Bhutto**; accept Benazir **Bhutto**)

[10] Zulfikar Ali Bhutto and Benazir Bhutto led this South Asian country. Before its independence in 1971, Bangladesh was known as "East [this country]", which split from India in 1948.

ANSWER: Islamic Republic of **Pakistan** (or Islami Jumhuriyah **Pakistan**)

[10] Zulfikar Ali Bhutto also signed the Simla Agreement with India, permanently establishing this boundary which today serves as the *de facto* border between the Indian and Pakistani portions of Jammu and Kashmir.

ANSWER: **Line of Control** (prompt on **LOC**; prompt on **Cease-fire Line**)