

Harvard Fall Tournament XIII

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Round 9

Tossups

1. **A leader of this country began his political career with the help of MI5 [“M-I-5”], who paid him 100 pounds weekly to publish pro-war propaganda. In 1923, the murder of a general from this country in Greece led to this nation bombarding the island of Corfu. This European nation experienced a tumultuous period known as (*) “Years of Lead,” during which the Red Brigades kidnapped and murdered prime minister Aldo Moro. Earlier, this nation agreed to the Lateran Treaty which recognized Vatican City to be an independent state within this country’s capital. For 10 points, name this country that was once led by Benito Mussolini.**

ANSWER: Italy <Suh>

2. **One form of this process uses pyridine, sulfur dioxide, and iodine to cause an iodine-to-iodide redox reaction to determine the moisture content. That type of this process is named for Karl Fischer. Permanganate and dichromate solutions are often used in one version of this technique because they undergo a dramatic (*) color change when reduced. When performing this technique, one can use a burette to slowly add liquid to the analyte. Phenolphthalein is a common indicator used in this technique. For 10 points, name this volumetric analytic technique which allows one to determine the concentration of an unknown substance.**

ANSWER: titration <K. Li>

3. **When the Winnilers and Vandals clash, this goddess tells the Winniler women to reposition their long hair to look like beards. This goddess’s handmaiden carries an ashen box, tends to her footwear, and is named Fulla. The *Gylfaginning* attests this figure as the foremost goddess of the (*) Aesir pantheon. In one story, this goddess goes to every living thing in the world and asks that they not harm her son, but forgets to demand protection from mistletoe, leading Loki to kill her son Baldr. The term for Friday derives from the name of this goddess. For 10 points, name this Norse goddess of fertility, a wife of Odin not to be confused with the goddess Freya.**

ANSWER: Frigga (do NOT accept “Freya” or “Freyja,” who is a different goddess) <Cohen>

4. **When a character with this *first name* tells a story to his brother, that brother emulates Jesus by kissing him on the lips. A character with this first name owns a spoon marked “Ust-Izhma,” sews rations into his mattress, and has a roommate nicknamed “the Baptist.” Another character with this name is comforted by his servant (*) Gerasim after suffering a fatal injury from hanging curtains. One character with this name relays the parable of “The Grand Inquisitor” to his brother Alexei in *The Brothers Karamazov*, while another labors under Tiurin alongside fellow “zeks” in a *gulag*. For 10 points, identify this shared first name of Denisovich and Ilyich.**

ANSWER: Ivan <R. Li>

5. Task Force Smith lost an early battle at Osan in this war. After this war, an army division gained the nickname “White Horse” after engaging enemy forces for ten days over the namesake hill. American forces committed the No Gun Ri massacre during this conflict, in which one of Mao Zedong’s (*) sons died. The tide of this conflict turned when General Douglas MacArthur launched a surprise attack on Incheon, after United Nations forces were pushed to the brink of defeat at the Pusan Perimeter. For 10 points, name this conflict that cemented the division of an East Asian peninsula into the communist North and democratic South.

ANSWER: Korean War (or 6/25 War; accept Fatherland Liberation War; accept Hanguk Jeonjaeng; accept Choguk haebang Jeonjaeng) <Suh>

6. This work inspired Amy Beach’s *Gaelic* [“gay-lick”] *Symphony*, and the composer of this work remarked that it “bore a remarkable similarity to” Celtic music due to its use of pentatonic scales. This work’s D-flat-major second movement begins with a brass chorale of half notes and later transitions to C-sharp minor, while its scherzo in a fast 3/4 [“three-four”] time depicts a scene in a (*) Longfellow poem. This piece’s *Largo* movement includes a famous English horn solo adapted into the spiritual “Goin’ Home.” For 10 points, name this African-American- and Native-American-inspired final symphony of Antonín Dvořák [“DVOR-jock”].

ANSWER: Antonín Dvořák’s Symphony No. 9 in E Minor (accept New World Symphony) <Minton/Yue>

7. A 1965 play written in this non-Spanish language and featuring only female characters centers on Renée, the wife of the Marquis de Sade. A play in this language ends at a site where a pine tree and a palm tree are growing from the site of the title “Love Suicides.” A trip taken with (*) Sora is described in one work in this language. *Bunraku* puppet theater and *noh* musical theater are genres in this language, and a poet in this language wrote the travel diary *The Narrow Road to the Deep North* and described the quiet splash of a frog jumping into a pond. For 10 points, give this language used by Matsuo Bashō to write haiku.

ANSWER: Japanese (accept word forms; or Nihongo) <Levine>

8. Given a prime p and positive integer n , Legendre’s [“luh-jonds”] formula yields the largest exponent of p that divides this operation applied to n . The natural log of this function applied to n can be approximated as “ n times natural log of n , minus n ,” using Stirling’s formula, and it can be analytically extended by the (*) gamma function. Reciprocals of this function can be found in the coefficients of a Taylor polynomial, and this function applied to n yields the number of permutations for n distinct entities. For 10 points, name this function giving the product of a number and all its integer predecessors, denoted by an exclamation point.

ANSWER: factorial <R. Li>

9. A butcher in this city became a national hero during a tumultuous period partially caused by the 1600 eruption of Huaynaputina. During the mid-17th century, this city faced the “salt” and “copper” riots over unrest caused by taxation. A 1682 uprising in this city was caused by a group of “shooter” infantry known as the (*) *streltsy*. Wars between Sigismund III of Poland and this city with the nickname “Third Rome” occurred during the Time of Troubles, which ended with the ascension of Michael I Romanov. In 1712, Peter the Great moved his government from this city to St. Petersburg. For 10 points, name this city that houses the Kremlin.

ANSWER: Moscow [*Writer’s note*: The butcher’s name is Kuzma Minin.] <Suh>

10. This phenomenon is attributed to “excessive individualism” in a work refuting Ferri and Morselli, and Augustine said Christians have “no authority” for it “in any circumstances whatsoever.” Schopenhauer called this phenomenon a “strong assertion of will.” Catholics are less affected by this “social fact” than Protestants according to one work, and Albert (*) Camus called it the “one really serious philosophical problem.” The term *anomie* names a form of this phenomenon with “altruistic” and “fatalistic” types in a sociological study. For 10 points, name this phenomenon titling an Émile Durkheim work about people ending their own lives.

ANSWER: suicide (accept *Le Suicide*; prompt on death) <Yue>

11. **The clothes worn by the figures on the right side of the Wilson diptych are almost entirely this color. In the British Isles, dyes of this color were often made from the woad plant. An “International” shade of this color was designed by French artist Yves [“eeves”] Klein. This color was often used for Mary’s (*) robes in Renaissance paintings because its pigments were very expensive. Johannes Vermeer’s *Girl with a Pearl Earring* wears a headband of this color. Ming dynasty porcelain is predominantly white and this other color, which was achieved by using cobalt-containing paints. For 10 points, name this color that was often derived from ultramarine.**
ANSWER: **blue** (accept International Klein **Blue** or **IKB**; accept **ultramarine** or **cobalt** until mention) <Chu>

12. **The Minister of Agriculture for this country is a multiple time recipient of Greenpeace’s Golden Chainsaw Award and member of the Progressistas party. A politician from this country praised its former secret police, the DOI-CODI [“doy-coh-jee”], and controversially remarked that he would rather “have a dead (*) son than a gay one”. A former president of this country defeated Aécio Neves in an election before the “Car Wash” corruption investigation led to her impeachment and subsequent replacement by Michel Temer. For 10 points, name this country where Jair Bolsonaro won the presidency over Fernando Haddad, the mayor of Sao Paulo.**
ANSWER: **Brazil** <Myers>

13. **During a cutscene in this game, the player is transported to another dimension and touches a translucent butterfly after the explosion of a floating purple cube. A player of this game ignited controversy when he claimed not to play with female gamers due to his marriage; that player set a Twitch record after streaming this game with (*) Travis Scott and Drake. In January 2018, this game’s creator Epic Games was sued for copyright infringement by the creator of PUBG. Tyler “Ninja” Blevins is a prominent player of this game. For 10 points, name this game whose “battle royale” variant allows players to fight each other to be the last one standing.**
ANSWER: **Fortnite Battle Royale** <R. Li>

14. **In a story by this author, the narrator reflects on a sentence beginning “Mortuus est Dei filius” and discovers 32 teeth scattered on the floor. A character in another of this author’s stories reads to a woman of “immense...learning” a poem about “the tragedy, ‘Man,’ / And its hero the (*) Conqueror Worm.” A sound compared to a “watch...enveloped in cotton” is ignored by officers “making a mockery of [the narrator’s] horror” in a story by this author in which the narrator is unsettled by the “vulture eye” of an old man and kills him. For 10 points, name this American author of “The Tell-Tale Heart.”**
ANSWER: Edgar Allan **Poe** <Yue>

15. **Increasing this quantity reduces light polarization in the Hanle [“HAHN-luh”] effect, and it is given by values *not* in the first row or column of the Faraday tensor. This vector’s magnitude is directly proportional to the cyclotron frequency, and its line integral is given by an equation to which a displacement current term was later added. This vector is crossed with velocity in the (*) Lorentz force law. This quantity can be found via Amperian loops or the Biot–Savart law. The flux of this quantity is zero by a law named for Gauss, illustrating that a certain monopole cannot exist. For 10 points, name this vector field that couples to the electric field.**
ANSWER: **magnetic field** (accept **H-field** or **B-field**) <Yue>

16. **A Republican primary in this election featured a smear campaign insinuating that one candidate’s adopted Bangladeshi daughter was actually illegitimate and black. A third party candidate called the two main candidates in this election “Tweedledee and Tweedledum.” Katherine Harris’ certification of this election’s (*) result may have given extra votes to Pat Buchanan due to the poor design of the “butterfly” ballot. A candidate in this election claimed that he “took initiative in creating the Internet” and lost after a recount in Florida. For 10 points, name this election whose outcome was determined by the Supreme Court case *Bush v. Gore*.**
ANSWER: United States presidential election of **2000** <Chu>

17. Seven of these objects are considered to be the offspring of the Chinese goddess Doumu [“doh-moo”]. The ground plan of the Dome of the Rock inspired the shape of a green one of these objects shown on some flags of al-Quds [“al-kudz”]. The Book of Daniel compares people who lead others to truth with these objects. A common symbol in Bahá’í is one of these objects with (*) nine sides. The Massacre of the Innocents occurred after the appearance of one of these objects. This object and the crescent are commonly found in the flags of Muslim-majority nations. For 10 points, name this kind of celestial object often placed at the top of Christmas trees.
ANSWER: star <Suh>

18. Josep Maria Subirachs sculpted a magic square that adds up to 33 into the facade [“fah-SAHd”] of one of these buildings. One of these buildings derisively described as the “Devil’s bomb shelter” was designed by Oscar Niemeyer. The towers of one of these buildings has words such as “Excelsis” and “Sanctus” inscribed adjacent to its (*) Glory facade. An architect was legendarily blinded after finishing one of these buildings located in the Red Square of Moscow. One of these buildings in Barcelona that has been in construction for 136 years is the Sagrada Familia. For 10 points, name these buildings exemplified by St. Peter’s Basilica in Rome.
ANSWER: churches (accept cathedrals) <Suh>

19. This author described the title schoolteacher’s travels to Neutralia in *Scott King’s Modern Europe*. In one novel by this author, John Andrew dies falling off the horse Thunderclap, while in another, a character takes care of Kurt in a Tunisian monastery. In one of this author’s novels, the owner of Hetton Abbey is coerced by the expatriate Mr. Todd to read (*) Dickens. In another of this author’s novels, the protagonist’s alcoholic friend hauls around the teddy bear Aloysius during his days at Oxford; that character is Sebastian Flyte. For 10 points, name this author of *A Handful of Dust* and creator of Charles Ryder in his novel *Brideshead Revisited*.
ANSWER: Evelyn Waugh [“waw”] <R. Li/Yue>

20. A type of this organism produces a toxin that epoxidates DNA, aflatoxin, and is in the genus *Aspergillus*. An organism with this classification produces a cyclic peptide toxin that inhibits RNA polymerase and cannot be destroyed by cooking the organism. *alpha-Amanitin* is produced by a member of this group called the (*) destroying angel. Ergot alkaloids are produced by an organism in this kingdom and can be found in contaminated grain products. A genus in this eukaryotic kingdom produces the antibiotic penicillin. For 10 points, name this kingdom of organisms including mushrooms.
ANSWER: fungi (accept ascomycetes or mold until “RNA”; accept word forms; prompt on mushroom until mention) <K. Li>

21. The Jersey Girls successfully objected to this man becoming the chairman of the 9/11 Commission. This man considered launching bombing campaigns against Cuba in retaliation for Castro sending troops to Angola to fight right-wing guerrillas. This man attempted to return his Nobel Peace Prize after the (*) Paris Peace Accords did not prevent the Fall of Saigon. As National Security Advisor, this man met with Zhou Enlai twice and pioneered the policy of *détente* with the Soviet Union. For 10 points, name this Secretary of State under Richard Nixon who helped end American involvement in the Vietnam War.
ANSWER: Henry Kissinger <Suh>

Bonuses

1. Theodore Janssen was expelled from the House of Commons for his involvement with this company. For 10 points each:

[10] Name this joint-stock company whose shares crashed in an economic bubble in 1720.

ANSWER: **South Sea** Company (accept **South Sea** bubble)

[10] The South Sea Company was partially created to take advantage of one of these trade monopoly licenses that Spain gave to England in 1713's Treaty of Utrecht.

ANSWER: **asiento**

[10] British journalist Charles Mackay's book *Extraordinary Popular Delusions and the Madness of Crowds* documented the 1637 economic bubble caused by a sharp decline in the price of tulips in this European country with capital Amsterdam.

ANSWER: the **Netherlands** (accept **Dutch** Republic) <Suh>

2. The most recent recipient of this scientist's namesake award is Detlef Wiegel. For 10 points each:

[10] Name this scientist whose study of variegated cobs led to the discovery of "mobile genetic elements," or transposons.

ANSWER: Barbara **McClintock**

[10] Another winner of the McClintock Prize is Susan Wessler, whose research group discovered MITEs in *Oryza sativa*, the scientific name for this staple crop. Some varieties of this foodstuff you might recognize include golden, jasmine, and basmati.

ANSWER: **rice**

[10] McClintock also discovered the breakage–fusion–bridge mechanisms for the instability of these structures, whose "territories" can be visualized using fluorescence *in situ* hybridization.

ANSWER: **chromosomes** <Park>

3. A character with this condition is teased at school and prays to God to cure him of his condition, since "if you have faith you can remove mountains." For 10 points each:

[10] Name this physical condition that afflicts a character who attends a German boarding school, a French art school, and later an English medical school. He falls in love with Norah Nesbit and the waitress Mildred.

ANSWER: **clubfoot** [*Writer's note*: The character is Philip Carey in Maugham's *Of Human Bondage*.]

[10] In another novel, a Yonville doctor with this surname fails to treat Hippolyte's clubfoot at the urging of the pharmacist Homais. Emma is the title "Madame" of this surname in a Gustave Flaubert novel.

ANSWER: **Bovary** (accept Dr. Charles **Bovary**; or Emma **Bovary**; or *Madame Bovary*)

[10] Kashiwagi seduces women through pity by making them "fall in love with [his] clubfeet" in this author's *The Temple of the Golden Pavilion*. He also wrote the Sea of Fertility tetralogy.

ANSWER: Yukio **Mishima** <Yue>

4. A correspondence that hurt this man's presidential campaign ended with the incriminating phrase, "Please kindly burn this letter." For 10 points each:

[10] Name this politician whose failed 1876 presidential campaign was hurt by the Mulligan letters. Eight years later, this man also lost out after Samuel Burchard gave a speech attacking "rum, Romanism, and rebellion."

ANSWER: James G. **Blaine**

[10] This Democrat won the 1884 presidential election despite Blaine's supporters deriding him with the question "Ma, ma, where's my Pa?" This man is the only president to serve non-consecutive terms.

ANSWER: Grover **Cleveland**

[10] During the 1876 Republican National Convention, this orator, nicknamed "The Great Agnostic," supported Blaine in a speech calling him a "plumed knight."

ANSWER: Robert G. **Ingersoll** <Suh>

5. After this man's first wife died, he married Keturah and had six sons. For 10 points each:

[10] Name this man who almost sacrificed his son Isaac. He is the common patriarch of three religions of his name.

ANSWER: **Abraham** (or **Abram**; or **Ibrahim**; accept **Abrahamic** religions)

[10] This first son of Abraham and his mother were expelled after this man made fun of his younger half-brother Isaac. Muslims believe that this man was the ancestor of the prophet Muhammad.

ANSWER: **Ishmael** (or **Ismā'īl**)

[10] According to Muslim traditions, this mother of Ishmael desperately ran between two hills in search of water until an angel miraculously produced a well for her.

ANSWER: **Hagar** (or **Hajar**) <Suh>

6. Many of you call yourselves *Marvel Cinematic Universe* fans, but how much do you know about the comics that the films are based on? Let's test your knowledge. For 10 points each:

[10] This Mad Titan wiped out half of all life in the universe after obtaining a fully assembled Infinity Gauntlet. Josh Brolin played this character in 2018's *Avengers: Infinity War*.

ANSWER: **Thanos**

[10] In the comics, this supervillain-turned-hero first detects Thanos' goal of killing half of all life and tries to stop him. The "Rise" of this colorfully nicknamed superhero was depicted in a poorly received 2007 film featuring Jessica Alba and Chris Evans.

ANSWER: **Silver Surfer** (or Norrin **Radd**)

[10] In the comics, this superhero eventually obtains the Infinity Gauntlet and undoes the damage caused by Thanos. This man's "cocoon" has appeared briefly in three MCU films.

ANSWER: Adam **Warlock** (or **Him**; or **Adam**) <Suh>

7. Sometimes, an author's greatest character is the author themselves. For 10 points each, give these non-memoirists by their attempts at memoir writing:

[10] This author of *On Writing* created the character Jack Torrance in a book followed by the sequel *Doctor Sleep*. Miss Desjardin discovers another of his characters after she gets her first period in a school bathroom.

ANSWER: Stephen **King**

[10] "Miss Stein Instructs" and "Shakespeare and Company" are chapters in this author's memoir *A Moveable Feast*. His more famous works include *The Old Man and the Sea* and *A Farewell to Arms*.

ANSWER: Ernest **Hemingway**

[10] This poet, essayist, and activist wrote the memoirs *The Cancer Journals* and *Zami: A New Spelling of My Name*. She included "The Master's Tools Will Never Dismantle the Master's House" in *Sister Outsider*.

ANSWER: Audre **Lorde** (accept Audrey Geraldine **Lorde**) <Levine>

8. The Sackur–Tetrode equation gives the entropy of these materials, whose kinetic energy per molecule is three-halves $R T$. For 10 points each:

[10] Name this type of gas with no intermolecular forces and no particle volume, described by the equation of state $PV = nRT$ ["**P V equals n R T**"].

ANSWER: **ideal** gases

[10] This equation named for a Dutch scientist modifies the ideal gas law by adding a factor proportional to the square of the number density to pressure and subtracting a factor to account for particle volume.

ANSWER: **van der Waals** equation

[10] This quantity is the left-hand side of the virial equation of state for real gases and is denoted "Z." For ideal gases, it's equal to one.

ANSWER: **compressibility factor** (do NOT accept or prompt on "compressibility") <Yue>

9. These figures were conceived when a severed head spit into the hand of their mother. For 10 points each:

[10] Name these mythological figures who defeated the Lords of Xibalba ["**shee-bal-ba**"] to avenge their father's death.

ANSWER: **Hero Twins** (or **Hunahpu** and **Xbalanque** ["**shee-bee-LAHN-kay**"])

[10] The Hero Twins are mythological figures from this civilization. Misinterpretation of this civilization's calendar led some to believe that the world would end in 2012.

ANSWER: **Mayans**

[10] Hunahpu was temporarily decapitated by Camazotz, who was the Mayan god of these animals, who then took the head to be used as a ball in the underworld gods' ballgame.

ANSWER: **bats** <Suh>

10. This character opens the musical in which he appears by describing "the challenge: bring[ing] order to the whole, through design, composition, tension, balance, light and harmony." For 10 points each:

[10] Name this painter who fathers a child with his mistress Dot in a 1984 musical. His great-grandson unveils the light machine "Chromolume #7" in the second act.

ANSWER: George **Seurat** (prompt on *Sunday in the Park with George*)

[10] This man wrote the music and lyrics for *Sunday in the Park with George*, but is better known for his musicals *Sweeney Todd: The Demon Barber of Fleet Street* and *Into the Woods*.

ANSWER: Stephen **Sondheim**

[10] In a 1990 Sondheim musical, participants in these events are handed guns by a Proprietor singing "Everybody's Got the Right." John Wilkes Booth shouts "Sic semper tyrannis!" after committing one of these events.

ANSWER: (attempted) **assassinations** of **Presidents** of the United States (accept similar descriptions, prompt on partial answer) <Yue>

11. This program was initiated to take advantage of a favorable alignment of Jupiter, Saturn, Uranus and Neptune. For 10 points each:

[10] Name this planetary exploration program that launched two probes in 1977. In 2012, the first of these probes became the first man-made object to leave the Solar System and enter interstellar medium.

ANSWER: **Voyager** program (accept *Voyager 1* or *Voyager 2*)

[10] The two *Voyager* probes notably missed this object that was reclassified as a dwarf planet in 2006. NASA's *New Horizons* flew by this object in 2015.

ANSWER: **Pluto**

[10] The first two man-made objects to leave the Solar System were the tenth and eleventh probes of this unmanned, planetary exploration program. The probes flew by Jupiter in 1972 and 1973 respectively.

ANSWER: **Pioneer** program (accept *Pioneer 10* or *Pioneer 11*) <Suh>

12. This African-derived language is the native tongue of Clarence Thomas and is spoken primarily in the Sea Islands. For 10 points each,

[10] Name this language often amalgamated with the similar Geechee language.

ANSWER: **Gullah**

[10] A pidgin language called Haida Jargon was developed so European traders could speak with Native Americans in this state, where the Haida inhabit the Alexander Archipelago near the city of Sitka.

ANSWER: **Alaska**

[10] A French creole dialect developed in the region around this city when Acadians, or Cajuns, migrated there. This city is the largest in Louisiana.

ANSWER: **New Orleans** (accept **N'awlins**) <Myers>

13. Evidence for these animals is given by an entry in the “dead cats column,” and one of these animals “maybe...felt the need for a bit of relaxation after all these years of office life.” For 10 points each:

[10] Name these animals which one character “doesn’t have the vocation” for, ending a play by asserting that he’s “not capitulating.”

ANSWER: **rhinoceroses**

[10] *Rhinoceros* is a play by this absurdist Romanian playwright who depicted the Smiths and the Martins in *The Bald Soprano*.

ANSWER: Eugène **Ionesco**

[10] Although Romanian, Ionesco wrote *Rhinoceros* in this European language, the language of fellow absurdist Jean Genet as well as the language of the existentialist Jean-Paul Sartre’s *No Exit*.

ANSWER: **French** <Yue>

14. A work dedicated to some of these people features a concluding *Allegro molto* fugue initiated by the piccolo after a variation for percussion instruments including the bass drum and cymbals. For 10 points each:

[10] Name these titular people of a Benjamin Britten work based on a rondo theme by Henry Purcell, for whom “Albums” were written by Tchaikovsky and Schumann. A description is acceptable.

ANSWER: **young** person (accept **children** and synonyms)

[10] This composer wrote *Children’s Corner*, a piano suite dedicated to his daughter with movements like “Jimbo’s Lullaby” and “Golliwogg’s Cakewalk.” His other piano pieces include two “Arabesques” and “Clair de lune.”

ANSWER: Claude **Debussy**

[10] Debussy alludes to this composer’s *Gradus ad Parnassum* in the opening movement of *Children’s Corner*. This composer wrote an Opus 36 set of six sonatinas commonly played by young pianists and engaged in a 1781 piano duel with Mozart.

ANSWER: Muzio **Clementi** <Yue>

15. For 10 points each, name these questions about the Spanish Civil War.

[10] This dictator was the leader of the Nationalists during the war. He ordered the bombing of Guernica, which was carried out by the Condor Legion.

ANSWER: Francisco **Franco**

[10] During the Spanish Civil War, this two-word term was used to describe clandestine groups of saboteurs and spies who worked to undermine the nation’s solidarity from within.

ANSWER: **fifth column**

[10] This man coined the term “fifth column” to describe how internal supporters helped his Nationalists take Madrid. He died in a suspicious plane crash that was suspected to be engineered by his rival Franco.

ANSWER: Emilio **Mola** <Huang>

16. This location is seen from a woody glade in a painting showing its commissioner John Fisher and his wife in the bottom left. For 10 points each:

[10] Name this building that is shown *from the Bishop's Grounds* and *from the Meadows* in a series of works made in the 1830s.

ANSWER: **Salisbury Cathedral** (accept **Salisbury Cathedral** *from the Bishop's Grounds*; accept **Salisbury Cathedral** *from the Meadows*)

[10] This British landscape artist made those depictions of Salisbury Cathedral. An area of Suffolk named for this man includes the site that inspired his painting *Dedham Vale*, and he also painted *The Hay Wain*.

ANSWER: John **Constable** (accept **Constable** Country)

[10] Like Constable, this Dutch painter made a painting called *The Hay Wain*. He depicted all sorts of weird punishments being meted out in his *The Garden of Earthly Delights*.

ANSWER: Hieronymus **Bosch** (or Jheronimus **van Aken**) <Chu>

17. A man of this name said, "Something must be done" after he met unemployed coal workers in South Wales. For 10 points each:

[10] Give the first name of that man who abdicated the throne to marry an American woman who had two divorces. Another man of this name was nicknamed "Longshanks," and yet another was dubbed the Black Prince.

ANSWER: **Edward** (accept **Edward** VIII; accept **Edward**, the Black Prince; accept **Edward** I or **Edward** the Longshanks; accept any other **Edward**)

[10] After abdicating the throne, Edward VIII was installed as the governor of this Caribbean archipelago, whose capital is Nassau. Thousands of Loyalists resettled here after the Revolutionary War.

ANSWER: The **Bahamas**

[10] This British politician was the Prime Minister at the time of Edward VIII's abdication. This man is the only politician to serve as Prime Minister under three different monarchs.

ANSWER: Stanley **Baldwin** <Suh>

18. One of this author's poems describes the title object as "made of a heart and cemented with tears / Whose parts are as thy hand did frame." For 10 points each:

[10] Name this metaphysical English poet of "The Altar," which notably takes the shape of an actual altar. This poet's mother Magdalen patronized authors such as John Donne, who dedicated his collection *Holy Sonnets* to her.

ANSWER: George **Herbert**

[10] Herbert also arranged a poem titled for the "wings" of this holiday to resemble two pairs of wings. A Yeats ["yates"] poem named after this day in "1916" repeatedly warns that "a terrible beauty is born."

ANSWER: **Easter** (accept "**Easter** Wings" and "**Easter** Rising, 1916")

[10] Similar to the visual tactics of Herbert's concrete poetry is this poetic form in which the first letter of every line in the poem spells out a word or phrase.

ANSWER: **acrostic** <R. Li>

19. In 2006, an invisibility cloak was made from one of these materials arranged in a series of concentric circles. For 10 points each:

[10] Name these engineered materials which can be made to interact non-naturally with electromagnetic waves and have such properties as a negative refractive index.

ANSWER: **metamaterials**

[10] Acoustic metamaterials can manipulate sound due to modifications of this type of “modulus,” a measure of resistance to compression. Its inverse gives the compressibility.

ANSWER: **bulk** modulus

[10] Lenses derived from metamaterials can resolve images beyond the “limit” named for this optical phenomenon. This phenomenon is the bending of light as it passes through a slit or around an obstacle.

ANSWER: **diffraction** <Yue>

20. Answer some questions about American sociologists’ views of social interaction, for 10 points each:

[10] In *The Presentation of Self in Everyday Life*, Erving Goffman analogized people to be of this profession, who perform differently in “front” and “back” settings. Stanislavski’s system trains people for this profession.

ANSWER: **acting** (accept word forms; prompt on **performer**)

[10] A Robert D. Putnam work surveys the decline of in-person social interaction in America by citing falling league membership for this activity. That work titled for performing this activity rejects the “repotting hypothesis” and asks, “Why is US social capital eroding?”

ANSWER: **bowling** (accept **Bowling Alone: The Collapse and Revival of American Community**)

[10] Putnam suggests that this entity is the cause of increasing individualization in America in *Bowling Alone*.

Advances in it, illustrated by the growth of the Internet and social networks, change the nature of social interaction.

ANSWER: **technology** <Yue>

21. The official language of this empire was the Quechua. For 10 points each:

[10] Name this South American empire that was centered at Cusco. Francisco Pizarro conquered this empire in 1533.

ANSWER: **Inca** Empire

[10] After being arrested by Pizarro, this last Incan emperor offered two roomfuls of gold as his ransom, but was executed nonetheless.

ANSWER: **Atahualpa**

[10] Lacking a system of writing, the Inca instead used these knotted strings for record keeping and communication.

ANSWER: **quipu** (or **kipu**; accept **talking knots**) <Sayphraraj>