

Bulldog High School Academic Tournament 2015 (XXIV): It's more than good...it's Grace!

Written by Yale Student Academic Competitions (Isaac Kirk-Davidoff, Laurence Li, Grace Liu, Jacob Mitchell, Frederick Muth, Jacob Reed, Basil Smitham, Jacob Lawrence Wasserman, Nicholas Wawrykow, Mitchell Weldon, Haohang Xu)

Edited by Jacob Reed, with Grace Liu

Packet 8 Tossups

1. [Note to moderator: please read the gray-highlighted text SLOWLY, with especially long pauses at the semicolons]

This character was first played by Antonietta Dell'Era. This character's theme begins "G-E-G; F-sharp; D-sharp; E." In *Fantasia*, this character's music accompanies the enchantment of a dandelion, some flowers, and a spider's web. In the original Petipa version, this character dances with Prince Coqueluche. She rules over the "Polichinelles" and Mother (*) Ginger. In the ballet, this character's dance comes right after the Waltz of the Flowers, while in the suite, it comes right before the "Trepak." Her dance is one of the first pieces to use the celesta. For 10 points, name this ruler of the Land of Sweets in Tchaikovsky's *The Nutcracker*.

ANSWER: the Sugar-Plum Fairy [or La Fée-Dragée] <JR>

2. **One of these phenomena named after Draupner was uncharacteristically large, and Merian's formula applies to a type of them called a seiche ["saysh"]. The shape of these phenomena can be described as a trochoid, and "rogue" ones have height more than twice the significant or mean height. These phenomena can create sea stacks from arches, while seasonal variations causing high and short ones of these phenomena can explain the formation of sand (*) bars. Shoaling causes an increase in height of these phenomena, while angled ones create longshore currents. For 10 points, identify this rolling motion of water in the ocean, a large example of which is a tsunami.**

ANSWER: waves <HX>

3. **Prince Rupert won the Battle of Brentford a few miles west of this city. Bull-baiting was popular at Frost Fairs in this city, which was home to the Scriblerians. This city was especially affected by the eighteenth-century Gin Craze. Its official police was established in 1829, succeeding the (*) "Bow Street Runners," and was made of "Bobbies" or "Peelers." The anti-Catholic Gordon Riots took place in this city. Samuel Pepys ["peeps"] was a diarist in this city who recorded an outbreak of Bubonic Plague. Much of it was destroyed in a 1666 fire that scorched St. Paul's Cathedral. For 10 points, name this capital of England.**

ANSWER: London <LL>

4. **While performing this action, some people also do *Itikaf*, starting after *Laylat al-Qadr*. It can be performed on *Arafah* and *Ashura*. If you don't do this action, you're supposed to clothe or feed sixty poor people. In between performing it, the Night of Power is celebrated and *tarawih* is said. This action ends at the beginning of *Shawwal*, and it starts during the *fajr*, before which *suhoor* must end. Outside of Islam, it is performed on (*) Tisha b'Av and sometimes during Lent. This action, also known as *sawm*, is ended at *iftar* and *Eid al-fitr*, using dates. For 10 points, name this action performed throughout the day during Ramadan.**

ANSWER: fasting [or sawm until mentioned; or siyam; accept descriptions like not eating] <JR>

5. **One of these creatures appears in a black cloud as Vasco de Gama rounds the Cape of Good Hope in the *Lusiads*. With Friar John, another of these figures founds an institution with the motto "do as thou wilt;" that institution is the Abbey of Thélème. Badebec and Adamastor are both creatures of this kind, and the latter loses her life while birthing a baby with cities in its (*) teeth. Don Quixote breaks his lance after he mistakes windmills for these creatures. Another of these figures needs 17,913 cows to supply his milk needs and drowns Paris**

with his urine in a Rabelais work. For 10 points, identify these enormous humanoids exemplified by Pantagruel and Gargantua.

ANSWER: giants [accept demigods or spirits before “founds an institution”] <GL>

6. Description acceptable. **This cause suffered a blow when *Minor v. Happersett* held that it could not be enacted through the Fourteenth Amendment’s citizenship clause, and it was later addressed in *Leser v. Garnett*. The Silent Sentinels picketed the White House to support this cause, led by NWP leader Alice Paul, who was often at odds with rival organization NAWSA. Years after (*) Wyoming became the first state to grant this right, President Wilson signed a similar amendment that was ratified in 1920, thanks to Carrie Chapman Catt’s efforts. For 10 points, identify this cause realized via the nineteenth amendment, which gave people like Susan B. Anthony the right to cast ballots.**

ANSWER: women’s suffrage [or women’s political franchise; accept any answer about women being allowed to vote; accept any answer involving the Nineteenth Amendment; prompt on “women’s rights;” prompt on “feminism”] <GL>

7. [Note to moderator: please read the gray-highlighted text SLOWLY]

In a vacuum, the curl of this quantity is “1 over c -squared, partial- E partial- t .” A differential bit of it is proportional to “ I , d - I cross r , all over r cubed.” A constant that determines it has numerical value “4-pi times 10 to the negative 7.” The line integral of this quantity equals “mu-nought times I -enclosed.” Its divergence, or its integral around a closed surface, is (*) zero, by Gauss’s law, which states the impossibility of this kind of monopole. One of these things exerts a force proportional to the sine of the angle between it and a current-carrying wire. One of these generated by a current is modelled by the Biot-Savart [“BEE-oh sa-VAR”] and Ampère’s laws. For 10 points, name this counterpart to the electric field.

ANSWER: magnetic field [or B-field; accept H-field; prompt on any answer just about “magnets” in general] <JR>

8. **In a novel by this author, the wife of a furze-cutter drowns in Shadwater Weir despite a rescue attempt by a man whose skin is stained red from his work as a reddleman. This author of *Under the Greenwood Tree* depicted a boy who hangs himself because he and his siblings “are too menny;” that boy, Little (*) Father Time, is the adopted son of Sue Bridehead. The title heroine of one of his Wessex novels is executed at Stonehenge after she kills Alec and is rejected by Angel Clare. For 10 points, name this author of *Jude the Obscure* and *Tess of the d’Urbervilles*.**

ANSWER: Thomas Hardy <GL>

9. **Heimdall owns one of these beings named Gulltopr, and one belonging to the hrímthurs is tasked with building the walls of Asgard. Another of these creatures, Gullfaxi, is given to Magni by Thor, while Frigg’s messenger Gna possesses a flying one, Hofvarpnir. Loki transformed into one of these animals in order to distract (*) Svadilfari, another of these beings, and Odin rides that creature to Hel to learn of Baldur’s fate. One of these animals was produced from the union of Loki and Svadilfari; it has eight legs, and is named Sleipnir. For 10 points, identify these Norse equines that carry various deities around.**

ANSWER: horses [or steeds; accept “stallion” before “transformed;” do NOT accept “mare”] <MW>

10. **One of these things incorporated a ladle that was used to kill a workman and was created by Bannadonna in a short story by Herman Melville. A poem named for these objects describes people in the steeple who are “Ghouls.” That poem describes objects that appeal “to the mercy of the fire” and are reminiscent of a “sort of Runic rhyme” as they keep “time (*) time time.” These objects compel a “world of solemn thought” with their monody and foretell “a world of merriment” with a “tintinnabulation that so musically wells,” according to Edgar Allan Poe. For 10 points, identify this object which “tolls for thee,” in a John Donne poem that also titles a Hemingway novel.**

ANSWER: a bell [or bells] <GL>

11. [Note to moderator: please read the gray-highlighted text SLOWLY, with especially long pauses at the semicolons]

One of this composer's keyboard works is in 3/8, beginning with: a D Minor scale up to B-Flat; a low C-sharp; then back down the scale from B-Flat again. He put a hand crossing-heavy Gigue at the end of his B-Flat major first partita for harpsichord. One of his concertos is scored for violin, two recorders, and strings, while another omits violins and includes violas da gamba. He included a D Minor (*) chaconne at the end of one of his Sonatas and Partitas for solo violin. He also wrote a D Minor concerto for two violins. His keyboard works include sets of two- and three-part inventions. For 10 points, name this composer of six cello suites, the *Brandenburg Concertos*, and *The Well-Tempered Clavier*.

ANSWER: Johann Sebastian Bach [or J.S. Bach; don't accept any other Bach] <JR>

12. This country sent troops to Angola in Operation Carlota. A coup in this country was attempted by Brigade 2506. A leader of this country rose to power after sailing on the yacht *Granma* and establishing a base in the Sierra Maestra mountains. Attempts to kill that leader of this country, who lead the storming of the Moncada Barracks on the (*) 26th of July, used items like a poisoned wetsuit and an exploding cigar. That leader gave the "History will absolve me" speech after trying to overthrow this country's dictator Fulgencio Batista. An CIA coup attempt in this country led to the Bay of Pigs fiasco. For 10 points, name this Caribbean island nation once ruled by the communist Fidel Castro.

ANSWER: Republic of Cuba [or República de Cuba] <LL>

13. In a novel by this author, a man suddenly acquires bad breath and is enraged by the closing of Club Hot Wax. A girl in that novel by this author eats butterflies and diagnoses her foster-mother with cancer. By using his voice-acting talents in sexually explicit phone calls, one of this author's characters incites the murder of mountaineer Alleluia Cone. Hitoshi Igarashi was stabbed for translating this man's novel about Ayesha's (*) Hajj, which centers on Saladin Chamcha's transformation into the Devil after a plane explodes over the English Channel. For 10 points, identify this author of *Midnight's Children* who was the target of a *fatwa* after publishing *The Satanic Verses*.

ANSWER: [Ahmed] Salman Rushdie <GL>

14. These structures restructure according to Wolff's law, resulting in different thicknesses due to variations in pressure. Sesamoiditis is an inflammation around one type of these structures, exemplified by the pisiform and the hyoid. Growth of these structures occurs at the epiphyseal (*) plate. Formation of long types of these structures requires a hyaline cartilage precursor which undergoes endochondral ossification. Vitamin D can be used to treat diseases in which the density of these structures is reduced, such as osteoporosis. For 10 points, name these structures like the tibia and femur.

ANSWER: bones <HX>

15. Rabbits and these animals were the subjects of the first major lesion studies, by Jean Pierre Flourens. They're not dogs, but one of these animals was conditioned to display "superstitious" behavior like head nodding and counter-clockwise rotation while waiting for food. Project Orcon was a military initiative attempting to use their incredible navigation skills. These animals were also conditioned to play (*) Ping-Pong. During World War II, researchers tried to determine if these animals could guide a missile by tapping the center of a screen with their beaks. For 10 points, name these birds subject of numerous experiments by B.F. Skinner.

ANSWER: pigeons [accept any more specific pigeons, like carrier pigeons] <JM>

16. This emperor instituted civil reform in the provinces by creating the office of “*corrector*.” He formalized his predecessor’s social welfare program, the *alimenta*. This emperor defeated Decebalus at the Battle of Sarmisegetusa in modern-day Romania. He had several projects built by Apollodorus of Damascus, including his namesake Market and Forum. He annexed the Sinai Peninsula, Parthia, and (*) Dacia. This second of the Five Good Emperors was succeeded by Hadrian. For 10 points, name this Roman emperor at the beginning of the 100s, who is commemorated by a Column in Rome, and under whom the Empire reached its greatest extent.

ANSWER: Trajan [or Nerva Trajanus Divi Nervae filius Augustus; do NOT accept any name by itself unless that name is “Trajan”] <JR>

17. This show’s creator, Loren Bouchard, previously created *Home Movies*. This show recently featured Carly Simon in a cameo, singing the theme of a *Working Girl/Die Hard* mash-up musical. A crossover with *Archer* happened because the main character of this show is voice by (*) H. Jon Benjamin. Two characters on this show are twins who love touching each other, while another character in this show has a book of “erotic friend fiction” and dreams of touching Jimmy Pesto Jr.’s butt. For 10 points, Tina and the rest of the Belcher family run the title restaurant in what animated TV show?

ANSWER: Bob’s Burgers <IKD>

18. These phenomena are modelled by the “*r* to the minus 6” term in the Lennard-Jones potential. One of these phenomena increases in strength with increasing polarizability, and thus with larger electron clouds, explaining why bromine is a liquid at STP. These phenomena are particularly strong in (*) water, explaining its high boiling point. One of these phenomena is the result of induced dipoles, and another is the result of a highly electronegative element bonded to hydrogen. For 10 points, what forces, including dipole-dipole interactions, London dispersion forces, and hydrogen bonds, cause attraction and repulsion between molecules?

ANSWER: intermolecular forces [accept van der Waals forces; if they answer with “hydrogen bonds,” “dipole-dipole interactions,” or “London dispersion forces,” prompt by saying “They want something more general.”] <JR>

19. Early on, this artist painted a right-side view of a man with a billowing, blue, quilted sleeve. He daringly balanced one of his paintings by putting the Madonna and child on the right side and a bright red flag on the left. This painter of the *Pesaro Madonna* probably learned his famously good handling of color from (*) Giorgione, and he is the most famous painter of the Venetian school. One of his paintings depicts two maids rummaging in a chest in the background and a curled-up dog at the foot of a flower-holding reclining nude woman. For 10 points, name this Renaissance painter of *Venus of Urbino*.

ANSWER: Titian [or Tiziano Vicelli(o)] <FM/JR>

20. It’s not Spain, but Pablo Iglesias recently appeared at a rally in this country to declare “venceremos.” The new defense minister in this country is the nationalist leader of ANEL, the coalition partner of a leftist party. The once-dominant PASOK fell to last place in seats in this country’s January elections, which was won by (*) SYRIZA, leading to Alexis Tsipras’ election as Prime Minister of this country. That event raised fears of a default and exit from the Eurozone. For 10 points, name this Southern European country governed from Athens.

ANSWER: Greece [or Hellenic Republic; or Hellas] <IKD>

Tiebreaker

21. One of this author’s protagonists writes poems like “But Secretly We Thirst” and three alternate “Lives,” like “The Indian Life.” That protagonist created by this author meets Father Jacobus while visiting the big organ at Mariafels. This author created a man who debates the worldly outsider Plinio Designori, studies many subjects at Waldzell in (*) Castalia, and synthesizes them as Magister Ludi. He wrote a trippy novel in which the protagonist meets Mozart in Pablo’s Magic Theater. In another of his novels, the title character hooks up

with Kamala while his friend Govinda studies with the Buddha. For 10 points, name this author of *The Glass Bead Game*, *Steppenwolf*, and *Siddhartha*.

ANSWER: Hermann [Karl] Hesse <JR>

Packet 8 Bonuses

1. He stated that “language is the house of Being” in *On the Way to Language*. For 10 points each:

[10] Name this German philosopher, who included “The Origin of the Work of Art” and “What are Poets For?” in *Poetry, Language, and Thought*.

ANSWER: Martin Heidegger

[10] Unfortunately, Heidegger’s philosophy is strongly associated with this far-right ideology, which proposed that “Aryans” were the “master race.” Its most influential proponent was Adolf Hitler.

ANSWER: Nazism [or National Socialism; accept any answer involving Nazi; prompt on “Anti-Semitism”]

[10] Heidegger was strongly influenced by this philosopher’s posthumous book *The Will to Power*. This philosopher discussed “Master” and “Slave” morality in *On the Genealogy of Morals*.

ANSWER: Friedrich [Wilhelm] Nietzsche <JR>

2. This site was evacuated after the failure of the August Offensive. For 10 points each:

[10] Identify this peninsula on the northern bank of the Dardanelles, the site of the Allied forces’ failed amphibious invasion against the Ottoman Empire between 1915 and 1916.

ANSWER: Gallipoli Peninsula [or Gelibolu]

[10] This country’s Anzac Day commemorates its soldiers which, along with Australian troops, formed an army corps that suffered heavy casualties during the Gallipoli campaign.

ANSWER: New Zealand [or Aotearoa]

[10] This Ottoman officer commanded a division at Gallipoli. He later came up with the “Six Arrows.”

ANSWER: Mustafa Kemal Atatürk [accept either underlined part; or Mustafa Kemal Pasha] <MW>

3. Europeans can’t seem to agree on what to call their towns and countries. For 10 points each:

[10] Name this island, whose unionists and nationalists disagree on whether to call a city on the River Foyle “Derry” or “Londonderry.” It’s home to Counties Cork, Galway, Wicklow, or Limerick.

ANSWER: Ireland [or Éire; or Airlann]

[10] An exclave possession of this island state is called Erenköy by its government. However, a rival country south of the Green Line calls the enclave Kokkina.

ANSWER: Northern Cyprus [or Turkish Republic of Northern Cyprus; or Kuzey Kıbrıs Türk Cumhuriyeti; do **NOT** accept or prompt on “Cyprus” nor “Kıbrıs” alone; do **NOT** accept or prompt on “Republic of Cyprus”]

[10] This national capital city on the Vardar River had its airport renamed after Alexander the Great as part of the long-running dispute between Greece and Macedonia over the latter’s name.

ANSWER: City of Skopje [or Grad Skopje; or Skoplje; or Shkupi; or Skopive; or Üsküb] <JW>

4. *Tilted Arc* was a Richard Serra-designed sculpture removed from this city’s Federal Plaza. For 10 points each:

[10] Name this city, more famously home to art deco skyscrapers like the Empire State and Chrysler Building

ANSWER: New York, New York [or New York City; or NYC]

[10] *Tilted Arc* was an example of this type of art, exemplified by Robert Smithson’s *Spiral Jetty* and Christo and Jeanne-Claude’s *Wrapped Reichstag* and *The Gates*.

ANSWER: site-specific [prompt on “installation art”]

[10] *Wavefield* is a site-specific work designed for Storm King by this sculptor. While still an undergraduate at Yale, she designed a smooth, black wall inscribed with the names of those killed in the Vietnam War.

ANSWER: Maya [Ying] Lin <IKD>

5. You can use a vertical line to test if a graph represents one of these things. For 10 points each:

[10] Name these mappings that take values in their “domain” and output values in their “range.”

ANSWER: function

[10] Sometimes, it's easier to represent a curve using multiple equations instead of a single function. The process of doing that is given *this* name.

ANSWER: parametrization [accept word forms, including parametric]

[10] What is the standard parametrization of a circle of radius 1, going counter-clockwise? Give the equation for x first, then the equation for y , and use the variable t as the parameter.

ANSWER: $x = \cos(t)$, $y = \sin(t)$ [" x equals cosine of t , y equals times sine of t ; don't accept any answer with "negative" or "minus" in it—that's going clockwise] <JR>

6. In this poem, Adam and Eve are created such that they are "sufficient to have stood, though free to fall." For 10 points each:

[10] Name this epic poem by John Milton in which Satan tempts the first humans to eat "the fruit of that forbidden tree."

ANSWER: Paradise Lost

[10] Exact answer required. In the opening lines of *Paradise Lost*, Milton asks the Heavenly Muse to sing of "man's first disobedience," and states that the goal of the poem is to "justify the ways of [*this* figure] to men."

ANSWER: God [do **NOT** accept any other answer, especially not "God the Son"]

[10] This daughter of Satan sprang from his head when he first pondered disobedience against God. She guards the gate of Hell along with her offspring, Death, and her womb is constantly munched on by dogs.

ANSWER: Sin <GL>

7. This revolution was sparked by the invitation of the Immortal Seven. For 10 points each:

[10] Name this revolution that overthrew James II and placed William and Mary on the English throne in 1689.

ANSWER: Glorious Revolution

[10] The Glorious Revolution coincided with the beginning of the Nine Years' War, which was—as usual—about Louis XIV taking land in *this* country. England fought four wars with it for control of the seas, since both depended on trade.

ANSWER: the Netherlands [or Nederland; accept Holland; accept Dutch Republic; prompt on "Low Countries"]

[10] James II had earlier crushed this "Revolt of the West" at the battle of Sedgemoor, and the resulting Bloody Assizes led to a further decrease in his popularity.

ANSWER: Monmouth Rebellion <LL/JR>

8. This location in the Valley of Josaphat was the site of Jesus's ascension into heaven. For 10 points each:

[10] Name this place that also contains the Garden of Gethsemane, where Jesus took his disciples to pray the night before he was betrayed by Judas.

ANSWER: Mount of Olives

[10] The Kidron Valley separates the Mount of Olives from this city, to which the disciples descended to pray in the upper room following the ascension of Jesus. It was the site of the First and Second Temples.

ANSWER: Jerusalem [or Yerushalayim]

[10] Jerusalem is also the location of a still-standing structure known as the Tower of "this man." He organized the death of Uriah the Hittite so he could marry Bathsheba.

ANSWER: King David <JM>

9. Answer some questions about Soviet cinema, for 10 points each:

[10] This Dziga Vertov pseudo-documentary was an experiment with no plot or actors. It features its director in the process of filming as the title character.

ANSWER: Man with a Movie Camera [or Chelovek s kinoapparatom; or Liudyna z Kinoaparatom; accept slight variations in translation, like The Man with a Camera; accept Living Russia]

[10] This propaganda film includes a famous scene where a woman is shot and her baby carriage tumbles down a

long flight of steps. In its first act, a number of sailors complain about their spoiled food.

ANSWER: **Battleship Potemkin**

[10] Andrei Tarkovsky directed *Solaris*, an early film in this genre. Early examples include *A Trip to the Moon*, but this genre became mainstream with movies like *2001: A Space Odyssey* and *It! The Terror from Beyond Space*.

ANSWER: **science fiction** [or **sci-fi**] <JR>

10. The neonatal Fc receptors on the placenta facilitate this temporary resistance to diseases. For 10 points each:

[10] Identify this form of immunity that is conveyed to a fetus by its mother during pregnancy. A newborn also maintains this form of immunity from immunoglobulin A in breast milk.

ANSWER: natural **passive** immunity [accept any answer with the word **passive** in it, unless for some reason it has the word “active” in it—don’t accept that]

[10] Immunoglobulin A is a type of these Y-shaped proteins, which are produced by plasma B cells. They bind to antigens on pathogens and are used by the immune system to identify foreign objects.

ANSWER: **antibodies** [or **antibody**]

[10] This most abundant class of antibodies in the body is the only kind that can pass through the placenta. It comes in four forms and provides most of the body’s antibody-mediated immunity.

ANSWER: Immunoglobulin **G** [or **IgG**] <HX>

11. In the *Book of the Heavenly Cow*, this king discovers a plot by humanity to overthrow him. For 10 points each:

[10] Name this Egyptian sun deity who rides Mandjet and Mesektet, the solar barques. He is often depicted with the head of a falcon and is sometimes syncretized with Amun and Osiris.

ANSWER: **Ra** [or **Re**; or Amun-**Ra**]

[10] Ra sent this bovine goddess, in the form of the raging lion goddess Sekhmet, to punish mankind for its betrayal. She is often referred to as the Eye of Ra.

ANSWER: **Hathor**

[10] Re prepared 7,000 jars of this substance with red ocher so that it would resemble blood. When the wrathful Hathor drank this substance, she became pacified, preventing the destruction of mankind.

ANSWER: **beer** [prompt on “alcohol”] <MW>

12. Though settlements at Cape Ann and Salem were established in the 1620’s, this colony’s governor and the royal charter first arrived in 1630 aboard the *Arbella*. For 10 points each:

[10] Identify this English colony, which was originally given a grant for the lands including the Shawmut Peninsula, where Boston was founded.

ANSWER: **Massachusetts Bay** Colony [do **NOT** accept just “Massachusetts”]

[10] This governor of the Massachusetts Bay Colony led the first great influx of settlers to the colony and proclaimed that it would be a “city upon a hill” in his sermon “A Model of Christian Charity.”

ANSWER: John **Winthrop**

[10] This family of ministers in the Massachusetts Bay Colony included “Increase” and “Cotton,” the latter of whom was an advocate of smallpox inoculation who strongly supported Salem Witch Trials.

ANSWER: **Mather** <MW>

13. Michael Faraday discovered many cool things. Answer some questions about them, for 10 points each.

[10] Faraday’s number is the amount of electric charge carried by *this many* electrons. This unit corresponds to Avogadro’s number: 6.02 times 10 to the 23.

ANSWER: **mole**

[10] Faraday also pioneered this process, which is used to get hydrogen and oxygen gas from water.

ANSWER: **electrolysis**

[10] Electrolysis is crucial in this industrial process for smelting aluminum. In this process, alumina is dissolved in molten cryolite before being electrolysed.

ANSWER: **Hall-Héroult** process [prompt on partial answer] <JR>

14. Keira Knightley co-stars as Joan Clarke in this movie. For 10 points each:

[10] Name this late 2014 film set in wartime Bletchley Park, in which a closeted professor and a group of mathematicians and “crossword enthusiasts” work to crack Enigma.

ANSWER: *The **Imitation Game***

[10] This British actor stars as Alan Turing in *The Imitation Game*. Other recent roles of his have included Julian Assange in *The Fifth Estate*, Smaug in *The Hobbit* films, and Sherlock Holmes on the BBC’s *Sherlock*.

ANSWER: Benedict [Timothy Carlton] **Cumberbatch**

[10] This other actor with incredible cheekbones plays Hugh Alexander in *The Imitation Game*, as well as Assistant State’s Attorney Finn Polmar on CBS’ *The Good Wife*.

ANSWER: Matthew [William] **Goode** <JW>

15. Hector Berlioz was completely nuts. Answer some questions about his craziness, for 10 points each.

[10] Along with Beethoven, Berlioz was among the first people to use this string technique of bowing almost on top of the bridge, which makes a gnarly raspy sound.

ANSWER: **sul ponticello**

[10] Berlioz’s *Harold in Italy* is a symphony with a solo part for *this* middle-range string instrument. This instrument is pitched an octave above the ‘cello, swapping a C string for the violin’s E string

ANSWER: **violas**

[10] Crazier still, Berlioz’s ideal orchestra contained thirty pianos and thirty of these instruments. These instruments are often doubled since they’re so quiet, and they have seven pedals to play chromatic music.

ANSWER: **harps** <JR>

16. In this play, Kristine Linde rekindles her love for a man who is about to be fired from his job at the bank. For 10 points each:

[10] Name this play in which Nora forges her father’s signature on a bond in order to take her sick husband to Italy.

ANSWER: A **Doll’s House** [or *Et Dukkehejm*]

[10] This Norwegian playwright wrote *A Doll’s House*, as well as *The Wild Duck* and *Hedda Gabler*.

ANSWER: Henrik [Johan] **Ibsen**

[10] Though she claims initially that she never disobeys Torvald, Nora sneakily consumes *these* sweets in Act I.

ANSWER: **macaroons** <GL>

17. [Note to moderator: please read the gray-highlighted text SLOWLY.]

One type of these devices has three classes depending on where the fulcrum and the applied force are; that is the lever. For 10 points each:

[10] Name these devices that also include the pulley, wheel and axle, screw, and inclined plane.

ANSWER: **simple machines**

[10] Simple machines try to maximize the mechanical advantage, which is the ratio of *these two* quantities. Name *both* of them.

ANSWER: **input force** AND **output force** [accept in either order, and accept any equivalents, such as: **force in** AND **force out**, or **force applied** AND **force exerted**; do NOT accept or prompt on answers without the word “force”]

[10] What is the mechanical advantage of a single pulley that is attached on one side to the ceiling by a vertical rope, and on the other side is pulled up vertically by you.

ANSWER: **2** <NW>

18. Answer some questions about inappropriate relationships in collegiate settings, for 10 points each.

[10] In this novel by J.M. Coetzee, David Lurie is fired from his university position after he engages in an affair with an unstable student named Melanie Isaacs. Later in the novel, he and his daughter Lucy relocate to a farm.

ANSWER: Disgrace

[10] In this playwright's *Oleanna*, Carol accuses her professor, John, of sexual harassment after he tells her that she'll get an A if she meets him in his office. He also recounted the foiled theft of a rare coin in *American Buffalo*.

ANSWER: David [Alan] Mamet

[10] In this double-length play by Edward Albee, all sorts of depraved mind games are played between Martha and George and their younger university colleagues, Nick and Honey.

ANSWER: Who's Afraid of Virginia Woolf? <GL>

19. Military councils known as kurultai elected this polity's leaders, who included Ogedei and Mongke. For 10 points each:

[10] Identify this polity formed in 1206 when Temujin was proclaimed Genghis Khan.

ANSWER: Mongol Empire [or Ikh Mongol Uls]

[10] Mongol forces under Hulagu Khan sacked this capital of the Abbasid caliphate in 1258. Its total destruction included the loss of the House of Wisdom, the library founded by Caliph Harun al-Rashid in the 8th century.

ANSWER: Baghdad

[10] Westward Mongol expansion was halted at this 1260 battle, in which Egyptian Mamluk forces led by the Sultan Qutuz and Baibars defeated Mongol forces under Kitbuqa.

ANSWER: Battle of Ain Jalut [or Battle of Harod Spring] <MW>

20. Ah! American authors are depicting Chinese people in the American West! For 10 points each:

[10] This author of "The Luck of Roaring Camp" versified Bill Nye and Truthful James' rage after they fail to cheat "pensive and childlike" Ah Sin in a game of Euchre in "The Heathen Chinee."

ANSWER: [Francis] Bret Harte

[10] The gender-ambiguous Chinese Ah Wee "was a good egg," according to his/her tombstone in this author's "The Haunted Valley." He also wrote *The Devil's Dictionary* and "An Occurrence at Owl Creek Bridge."

ANSWER: Ambrose [Gwinnett] Bierce

[10] A part-Chinese revivalist preacher, Abel Ah Yo, appears in this author's story, "When Alice Told Her Soul." Another of this author's characters ignores the old-timer on Sulphur Creek before failing "To Build a Fire."

ANSWER: Jack London [or John Griffith London] <GL>

Tiebreaker

21. Answer some questions about the great historian Fernand Braudel, for 10 points each.

[10] Braudel is most famous for a history of *The Mediterranean and the Mediterranean World in the Age of [this monarch]*. The Sack of Antwerp took place during his reign, near the beginning of the Eighty Years' War.

ANSWER: Philip II [or Felipe II; or Felipe el Prudente; accept *The Mediterranean and the Mediterranean World in the Age of Philip II*; accept *La Méditerranée et le Monde Méditerranéen à l'époque de Philippe II*; prompt on just "Philip" or "Felipe"; if they answer with "Philip I," prompt by asking "Of which country?" and accept it if (and only if) they say "Portugal"]

[10] Braudel also wrote a history of *these* things. They are characterized by writing, cities, stratified social hierarchies, and organized central governments.

ANSWER: civilizations [accept *A History of Civilizations*]

[10] Braudel's interest in civilizations spilled over into a book about *Civilizations and [this concept]*. Max Weber postulated that it originated due to the "Protestant Ethic."

ANSWER: **capitalism** [accept *Civilization and Capitalism*; accept *Civilisation matérielle, économie et capitalisme*; accept *The **Protestant Ethic and the Spirit of Capitalism***; accept *Die protestantische Ethik und der Geist des Kapitalismus*;] <JR>