Bergen Academies Spring Quizbowl Tournament II [BASQT II]

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Round 12: Tossups

1. In one work in this language, the narrator sees two characters "a stone's throw from the Equator, with a bottomless historical chasm separating the two". That narrator is surprised when another character recites the English poem "In October 1914". In another novel in this language, Amina is struck by a car while her husband goes to (*) Port Said. That book is *Palace Walk*. A religious text written in this language is divided into suras and was revealed to a prophet by the archangel Gabriel. Naguib Mahfouz wrote in – for ten points – what Middle Eastern language of the *Cairo Trilogy* and the Qur'an?

ANSWER: Arabic

2. One person to hold this position lived at the Cabrini-Green housing projects; that was also the only female holder of this office, Jane Byrne. She was succeeded by the first black holder, Harold Washington, who was opposed by the Vrdolyak 29, including Edward (*) Burke. For forty-three years, this position was held by a father and son, both named Richard Daley. The latter was succeeded in 2011 by a former White House Chief of Staff, For ten points, what position is held by Rahm Emanuel and leads the largest city in Illinois?

ANSWER: Mayor of Chicago

3. Members of the genus Arkarua are theorized to be these organisms, although they lack the spongy stereom found in all others. Ambulacral grooves run from the mouth to eyespots of some members of this phylum, whose members may have a statocyst for gravitational orientation. Some species of this phylum have a (*) swimming larval phase, but most crinoids develop a stem to attach to the seafloor. The class Asteroidea can regenerate their arms, and members of this phylum often exhibit fivefold radial symmetry. For ten points, what phylum contains animals such as sea urchins and starfish?

ANSWER: Echinodermata

4. This composer's 0th string quartet in D major was influenced by Brahms, and in a style distinctly different from his later output. One work by this composer titled *A Survivor from Warsaw* ends with men singing the (*) "Shema Yisrael." This composer used titles such as "The Obbligato Recitative" in his *Five Orchestral Pieces*, and used a Richard Dehmel poem as inspiration for a string work in which an inverted ninth chord is played. For ten points, name this Austrian composer, who pioneered the twelve-tone system and whose works include "*Transfigured Night*" and "*Pierrot Lunaire*."

ANSWER: Arnold Schoenberg

5. Metaphysical libertarianism is the incompatibilist belief that possessing this means there are multiple possible outcomes. Compatibilism is the belief that determinism and having this are not mutually exclusive. Arthur Schopenhauer thought that phenomenon could not possess this, but (*) noumenon did. William James thought that it was ethically convenient to believe in this despite a lack of evidence. In "De Libero Arbitrio" St. Augustine believed that sin encumbers this, while it is provided through the grace of God. For ten points, name this concept describing philosophically-meaningful ability to make decisions.

ANSWER: free will (do not accept "freedom")

6. This artist sings about a girl who stacks "Pesos out of Mexico" in "6 Inch". His mixtapes *House of Balloons*, *Thursday*, and *Echoes of Silence* were released as *Trilogy* under his label XO. This Canadian featured on Disclosure's "Nocturnal" and on Drake's "Crew Love", and one of his music videos features a portrait of Daft Punk, who produced his (*) "I Feel It Coming". He contributed to the *Fifty Shades of Grey* soundtrack with "Earned It", which preceded number-one hit "The Hills". *Beauty Behind the Madness* is by – for ten points – what R&B singer of "Starboy" and "I Can't Feel My Face"?

ANSWER: The Weeknd (accept Abel Tefaye)

7. This man once instructed readers to "[a]sk the nearest hippie" about abridgment of "Freedom of Intimacy." He described *Obergefell v. Hodges* as a "judicial Putsch", and he called the Affordable Care Act "SCOTUScare". In opposition to judicial activism, this member of the (*) conservative Federalist Society was an avowed originalist and textualist. This constitutional scholar once used the terms "applesauce" and "jiggery-pokery" in a dissent, and Merrick Garland was nominated to replace him. For ten points, name this Supreme Court Justice who passed away in February 2016.

ANSWER: Antonin Scalia

- 8. The victims of the first of these events were convicted in the Yassiada Trials in 1961. The National Order Party was active during one of these "by memorandum", after which Nihat Erim became Prime Minister. Conspiracy theories regarding one in 1993 involve Turgut Özal and the (*) Kurdistan Worker's Party, and the Gülen movement was accused of orchestrating one of these by Recep Tayyip Erdogan in July 2016 when the Bosphorus bridge was closed in Istanbul. That incident was the most recent of for ten points what attempts to overthrow the government in Ankara? ANSWER: <u>Turkish coups</u> (accept descriptions of the Turkish military taking over government)
- 9. In 1775, Antoine Lavoisier was appointed Commissioner of this good after royal "right to dig" warrants were deemed ineffective. Roger Bacon was the first European to mention this technology, writing he was "assaulted by a (*) noise exceeding the roar of strong thunder." He describes a formula first found in the *Wujing Zongyao*: lacquer, pitch, charcoal, sulphur, and potassium nitrate, commonly known as saltpeter. One of China's "Four Great Inventions" is for ten points what substance, used in rockets and fireworks?

ANSWER: gunpowder

10. In the programming language J, this character is used to either box together arrays, string together several boxes, and in J's ancestor language APL, this character is used to separate indices when locating elements of an array. Writing in the language Go does not require this character, as it is inserted by the lexer as it scans each (*) line. In a CSV file, this character can be used in lieu of a comma or whitespace, and this symbol is notably absent from the ends of lines in the Python language. For ten points, name this character required at the end of each line of code in C-based programming languages.

ANSWER: semicolon

11. In one paper, this scientist proved that a certain frequency is proportional to the fourth power of the cosecant of phi over two. After reading of Henri Becquerel's experiments, this man differentiated alpha and beta radiation and studied "thorium emanation", later known as radon, to discover the (*) half-life. This man proved that hydrogen nuclei are present in all atoms, and in his most famous result he determined, based on the work of Geiger and Marsden, that the nucleus is small and positively charged. For ten points, what British chemist and physicist names a gold foil experiment?

ANSWER: Ernest Rutherford

12. One character in this work comes home late from work despite always being on time, while his wife hopes she still looked attractive to him. The narrator states, "Had the Queen of Sheba lived in their building," the protagonist "would have let her hair hang out the window to dry just to reduce the value of the queen's jewels." Madame (*) Sofronie purchases the aforementioned hair for twenty dollars so that Della could purchase a chain for Jim's gold watch, which he ends up selling for combs for her hair. For ten points name this short story by O. Henry about the exchange of useless gifts.

ANSWER: The Gift of the Magi

13. A copy of funerary inscription known as the *Res Gestae* appears on the outside of a recently renovated museum in this city. That museum contains a structure with with reliefs of this city embodied as a female warrior, as well as a procession which is meant to be an (*) altar of peace. Zaha Hadid designed The MAXXI Museum of 21st Century Arts for this city. A bronze sculpture showing to infants suckling an Etruscan styled wolf commemorates the founding of this city on one of seven hills. For ten points, name this Italian capital.

ANSWER: Rome or Roma

14. In one account, this man's son Julius built the city of Alba Longa, and he fought Idomeneus to recover the body of Alcathous at the request of Deiphobus. In that war, he is flown to Cyprus as Diomedes is about to kill him. Disguised as a princess from near Mount Ida, this man's mother seduced (*) Anchises, who would later be carried his back as they escaped from Troy. This man then sailed to Sicily before landing in Carthage, where had an affair with Dido. For ten points, what Trojan prince became ancestor to the Romans?

ANSWER: Aeneas

15. This man failed to displace the Tatars in order to gain access to the Black Sea after a lack of foreign support. After the death of Feodor III, his half-sister Sophia served as regent, but he eventually used the streltsy to overthrow her. His forces were destroyed at the Battle of Narva but won the Battle of Gangut, and he eventually defeated the (*) Swedish Charles XII in that war. Under the name "Mikhailov," this man worked as a Dutch shipbuilder as part of his European tour. This leader of the winning side of the Great Northern War enacted a "beard tax" as part of his Westernization policies. For ten points, name this "Great" Russian Czar.

ANSWER: **Peter** the Great or **Peter** I (accept **Pyotr** I)

16. In Shakespeare's *Cymbeline*, Imogen is described as "chaste as unsunned" this substance. In a Robert Frost poem about this, it "has given my heart / a change of mood/ And saved some part / of a day I rued". William Blake's "The Chimney Sweeper" features the title character "crying 'Weep! Weep!' in notes of woe," while (*) surrounded by the this substance. Harry dies of gangrene in story named for this substance on Mount Kilimanjaro, and e.e. cummings described this substance as not giving "a soft white damn whom it touches". Yasunari Kawabata wrote about a country of – for ten points – what white precipitation?

ANSWER: snow

17. Bertil Lindblad studied "dispersion orbits" in these objects, whose formation is explained by the density wave theory. One solution to the discrepancy between observed and expected rotation curves of these objects is a gravitational force inversely proportional to radius, although it is more likely to be caused by a (*) dark matter halo. These structures lie at the right side of the Hubble tuning fork, some have a "bar" around the central bulge of stars. Andromeda and the Milky Way are examples of – for ten points – what galaxies characterized by "arms" around a central bulge?

ANSWER: spiral galaxies (prompt on "galaxy")

18. John Austin provided a utilitarian description of this concept. The Bürgerliches Gesetzbuch is a German compendium of these. Positivism, the belief that they are not related to morality, and realism, the belief that they are defined by their implementation, are beliefs in (*) jurisprudence. Civil and criminal are distinct varieties of this under the U.S. justice system. For ten points, what type of rule enforced by a government determines the scope of what is legal?

ANSWER: <u>law</u>

19. Terry Riley notes that repeated eighth notes are played on a piano "traditionally... by a beautiful girl" in a work in this key. Two symphonies in this key by the same composer are nicknamed by size. The flute introduces the first theme in Ravel's "Bolero" in this key. Paganini's (*) 24th caprice for solo violin is in this key's relative minor. Mozart's "Jupiter" Symphony is composed in this key. The relative major of A minor is – for ten points – what key of Schubert's "Little" and "Great" symphonies, which employs no sharps or flats?

ANSWER: **C major** (prompt on "C")

20. A merchant from Smyrna asks the narrator of this work to come to a luncheon at the Cannon Street Hotel. A character from this poem notes that despite being old and blind, he can tell that the violet hour "brings the sailor home," and sees a young man proceed to copulate with his lover. (*) That character is Tiresias. In the Burial of Dead section, Madame Sosostris gives the narrator a card with a drowned Phoenician sailor who possessed "pearls that were his eyes.", who turns out to be Phlebas. For ten points, name this poem that ends with the line "Shantih, Shantih," written by T.S. Eliot.

ANSWER: The Waste Land

TIEBREAKER:

The Tír na nÓg (teer-nah-nih-ohg) is one of these home to the Tuatha dé Danann. Ame-no-nobuko and Manaiakalani were these objects made using a naginata and a fishhook by Izanagi and Izanami and Maui, respectively. In the legend of King Arthur, Excalibur was forged at one of these, (*) Avalon. In Timaeus, a lost one of these is described by Plato as being beyond the Pillars of Hercules. Odysseus is held captive on one of these by Calypso. For 10 points, Atlantis and Honshu are examples of what landmasses surrounded on all sides by water?

ANSWER: Islands

Round 12: Bonuses

1. For ten points each, answer some questions about Mesopotamian law:

[10] This ruler of Mesopotamia produced a set of 282 laws, one of which explains that stealing a slave from either the government or a freeman is a capital offense.

ANSWER: **Hammurabi**

[10] This 5-word phrase does not directly appear in Hammurabi's Code, but is the most famous anatomical expression of the idea of reciprocal retributive justice.

ANSWER: an eye for an eye

[10] Hammurabi's Code's 142nd law requires that women who wish to undergo this process must explain their reasoning and demonstrate that they are not at fault before the return of their dowry.

ANSWER: Divorce

2. This largest Polish trade union emerged from the Lenin Shipyards. For ten points each:

[10] Name this trade union formed in the socialist state of Poland that became the name of a social movement against communist ideology in the Eastern Bloc.

ANSWER: Solidarity or Solidarnosc

[10] This first chairman of Solidarity became the first directly-elected President of Poland in 1990 and won the 1983 Nobel Peace Prize.

ANSWER: Lech Walesa

[10] This first Polish pope was a fervent anti-communist and verbally supported Solidarity which contributed to its widespread success with the overwhelmingly Catholic working class in Poland.

ANSWER: Pope John Paul II

3. Johann Friedrich Herbart a correlation between personal development and a better society in this field. For ten points each:

[10] Name this field of study devoted to the theory and practice of education.

ANSWER: **Pedagogy** (pronounced ped-uh-gog-ee)

[10] This French treatise provides a theory of pedagogy in the form of a novel, describing the upbringing of the title child.

ANSWER: **Emile**, or On Education

[10] *Emile* was written by this philosopher and author of *The Social Contract*. He gave his own children up for adoption and was never directly involved in teaching.

ANSWER: Jean-Jacques Rousseau

4. In this opera, villagers sing about the joy of life in the opening chorus. For ten points each,

[10] Name this opera, in which a man sells his wife for 300 gulden. This opera utilizes folk dances, such as the polka and the furiant, as well as the "Dance of the Comedians."

ANSWER: The Bartered Bride (accept Prodaná nevěsta)

[10] *The Bartered Bride* was written by this Czech composer, whose other works include his "From My Life" quartet and *Må vlast*.

ANSWER: Bedrich Smetana

[10] *Má vlast* is a set of tone poems about Czech culture by Smetana. This most famous poem of six begins with flute runs followed by string pizzicatos, before transitioning into a 6/8 (read: "six eight") string melody. This tone poem is named after the longest river in the Czech Republic.

ANSWER: The Moldau (accept Die Moldau or Vltava)

- **5.** In one of this author's works, Etienne goes to Montsou to work as a coal miner. For ten points each:
- [10] Name this author who wrote about oppression and misery in poverty through the life of Etienne Lantier in *Germinal*.

ANSWER: Emile Zola

[10] Zola addresses the President of France, Felix Faure, in this open letter regarding anti-semitism and wrongful jailing of Alfred Dreyfus.

ANSWER: J'Accuse

[10] The title character and Laurent are haunted by the murder of the title character's husband and both eventually commit suicide at the end in this Zola play.

ANSWER: Therese Raquin

6. The Beatles wrote music on many subjects. For ten points each:

[10] Four thousand of these are in Lancashire in *A Day in the Life*, and a song with one of these in the title describes fixing the eponymous one and filling cracks in the door.

ANSWER: Holes

[10] After murdering a woman, Maxwell goes to this place and "plays the fool" in *Maxwell's Silver Hammer*. The unnamed narrator also misbehaves in this place in *Getting Better* because others "weren't cool", and John Lennon founded the precursor to the Beatles with people from here.

ANSWER: School

[10] This concept is "sleeping" in While My Guitar Gently Weeps. It is in the titles of She [BLANK]s You and All You Need Is [BLANK].

ANSWER: Love

- 7. Gustav Kirchhoff discovered that electricity in a resistanceless wire travels at the speed of light. Answer some questions about his work for ten points each:
- [10] Kirchhoff's study of circuits also produced two laws named after him. The second states that the potential difference, or this quantity, is zero around any closed loop.

ANSWER: **voltage** (do not prompt on or accept "volt")

[10] Kirchhoff also established three laws of this field, which studies the wavelength of light as it interacts with matter. The second law discusses the frequencies of emissions of an energized gas.

ANSWER: spectroscopy

[10] His work in thermochemistry included the assertion that the difference in this quantity for the products and reactants is equal to the variation of the heat reaction.

ANSWER: heat capacity (do not prompt on or accept "specific heat")

- **8.** In this short story, Viktor Runeberg is eliminated by Captain Madden at the start. For ten points each:
- [10] Doctor Yu Tsun tries to prove to his masters that Asians are competent spies in this short story.

ANSWER: *The Garden of Forking Paths* (Accept *El Jardín de Senderos que se Bifurcan*)

[10] The Garden of Forking Paths was written by this Argentine author, who wrote about how books contain gibberish in his short story, *Library of Babel*.

ANSWER: Jorge Luis Borges

[10] Dr. Stephen Albert hypothesizes that a novel by Yu Tsun's ancestor was one of these mazes which shares its name with the Borges collection of stories.

ANSWER: Labyrinth

9. This country is completely surrounded by Senegal and it's namesake river flows into the Atlantic Ocean. For ten points each:

[10] This tiny nation has been experiencing a difficult transition of power; the Economic Community of West African States declared on December 23rd, 2016 that they would militarily intervene to remove this nation's incumbent president.

ANSWER: The Gambia

[10] This man who at one point was The Gambia's president refused to step aside for his elected successor. He initially accepted the election results, but decided otherwise. He has now fled The Gambia.

ANSWER: Yahya Jammeh

[10] Jammeh banned this practice, normally performed on girls under the age of five, saying it had, "no place in Islam or in modern society."

ANSWER: Female Genital Mutilation or Female Circumcision

10. For ten points each, answer some questions about footwear in mythology:

[10] This Greek deity wore winged sandals in his role as the god of messengers.

ANSWER: <u>Hermes</u> (do not accept or prompt on <u>Mercury</u>)

[10] This type of European mythical boot enabled the wearers to take enormous strides, making travel much faster and easier.

ANSWER: Seven league boots

[10] These are the shoes placed on the feet of dead vikings to assure them an easy passage to Valhalla.

ANSWER: Helskor

11. For ten points each, answer the following questions about algebra.

[10] Descartes' Rule of Signs can be used to bound the number of these values for a polynomial. Plugging any of these values into a polynomial gives 0 as the output.

ANSWER: roots

[10] This type of algebraic structure has a single operation and an identity, and each element has an inverse. One example is the dihedral one, the set of rotations of a polygon.

ANSWER: group

[10] The Cayley-Dickson construction recursively generates algebras by pairing elements from a previous step; it begins with the real numbers, the complex numbers, and what set that can be used to represent three-dimensional rotations and translations?

ANSWER: quaternions, prompt on H

12. Surprisingly, polka dots have had a big impact on the history of art. For ten points each:

[10] This artist replicated the ben-day dots used in certain types of printing to make his art works that were often based on comic book panels.

ANSWER: Roy Lichtenstein

[10] This Japanese artist has centered much of her personal aesthetic around polka dots and has painted both canvases and nude models with them as part of happenings.

ANSWER: Yavoi Kusama

[10] This technique of using dots of primary colors to suggest other tones was used by Paul Signac and Georges Seurat.

ANSWER: **pointilism**

13. This process is what causes CDs and DVDs to appear to reflect a rainbow pattern. For ten points each:

[10] Name this phenomenon in which light bends around an obstacle.

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

[10] This principle of diffraction describes it as the interference of multiple waves. According to this statement, each point on a wavefront is the source of secondary waves.

ANSWER: **Huvgens**-Fresnel principle

[10] Far-field diffraction follows an equation named after this German, who also discovered a set of absorption lines in the solar spectrum.

ANSWER: Joseph von Fraunhofer

14. At the start of this novel, the title character stops in front of a community church to observe the party. For ten points each:

[10] Name this novel set in Starkfield about the tragic love between the title character and his wife's cousin Mattie.

ANSWER: Ethan Frome

[10] Ethan Frome was written by this American author who wrote about Newland Archer in Age of Innocence.

ANSWER: Edith Wharton (Accept Edith Newbold Jones)

[10] At the end of *Ethan Frome*, this character recounts the memories after the smash-up with the narrator and cries when thinking about Mattie's injuries.

ANSWER: Mrs. Hale

15. The Han, Wei, and Zhao were among the seven dynasties during this period. For ten points each:

[10] This period in Chinese history is named for the civil strife between the different territories which comprised China.

ANSWER: Warring States Period or Zhanguoshidai (pronounced sjan-gwo-sure-die)

[10] The Warring States period took place during this dynasty. This dynasty was succeeded by the Qin (cheen) dynasty which was initially ruled by Qin Shi Huang Di (cheen she huang dee) who had formerly led the state of Qin to victory over the other states.

ANSWER: **Zhou** Dynasty (pronounced sjoe)

[10] The beginning of the Zhou Dynasty took place in this era of Chinese history, named for a book about the history of the state of Lu normally attributed to Confucius.

ANSWER: **Spring and Autumn** Period or **Chunqiushidai** (pronounced chun chee ow sure die)

16. This painting was commissioned by a nobleman of the Della Rovere family. For ten points each:

[10] Name this painting which depicts a nude woman laying on a couch with a dog at her feet. In the background of this work, two servants prepare clothes for the title figure.

ANSWER: **Venus of Urbino**

[10] The *Venus of Urbino* was painted by this Venetian painter who painted other mythical scenes like *Bacchus and Ariadne* as well as *Sacred and Profane Love*.

ANSWER: Titian or Tiziano Vecellio

[10] This Greek sculptor actually sculpted the Aphrodite of Cnidus, which became a model for many Renaissance depictions of Venus, as well as Apollo as a lizard slayer.

ANSWER: **Praxiteles**

17. Blood has a lot of places in the Old Testament. For 10 points each:

[10] This type of religious ritual was performed on many occasions, with animals ranging from pigeons and doves to cattle. In modern times, it has been replaced by verbal prayer.

ANSWER: Blood sacrifice

[10] This action made its performers ritually impure, and those who had sex with one going through this would be impure for a week. After this bodily function, women had to enter a pool, or mikvah, to cleanse themselves.

ANSWER: Menstruation (accept equivalents, such as period)

[10] This biblical man was saved by God because he was "righteous in his generation". He was given eponymous laws which forbade both the shedding of blood and eating animals undrained of blood.

ANSWER: Noah

- **18.** These proteins often bind to short palindromic DNA sequences. For ten points each:
- [10] Name this general class of protein that control the copying of DNA into mRNA. "General" ones recruit RNA polymerase, while "specific" ones allow for more specific regulation.

ANSWER: transcription factors

[10] In prokaryotes, transcriptional regulation is usually accomplished through these sets of genes and a promoter. The *lac* one encodes proteins necessary for the digestion of lactose in E. coli.

ANSWER: operon

[10] Another commonly studied operon is the one for enzymes for the synthesis of this amino acid in bacteria. Unlike the *lac* operon, it is *repressed* in the presence of its namesake molecule.

ANSWER: tryptophan, accept trp operon

- 19. This man had Boss Tweed arrested after examination of city records. For ten points each:
- [10] Name this New York Governor who won the popular vote in a U.S. Presidential election, but lost that election's electoral college vote to Rutherford B. Hayes.

ANSWER: Samuel Tilden

[10] Rutherford B. Hayes became president as a result of this bargain, in which the Democrats supporting Tilden agreed to support Cleveland in exchange for the removal of U.S. troops from South Carolina, Florida, and Louisiana.

ANSWER: Compromise of 1877

[10] The election of 1876 was the third of this many U.S. presidential elections where the winner was not the winner of the plurality of the votes.

ANSWER: Five

- 20. In this work, Redcrosse mistakes falsehood for truth after being tricked by the witch Duessa. For ten points each:
- [10] Name this allegorical work of Christian life where each character represents a Christian Virtue such as Redcrosse and Britomart representing holiness and chastity respectively.

ANSWER: The Faerie Queene

[10] The Faerie Queene is poem written by this poet who used the Faerie Queene to represent Elizabeth I.

ANSWER: Edmund Spenser

[10] In *The Faerie Queene*, this type of animal kisses Una and becomes her devoted protector instead of devouring her on the spot.

ANSWER: Lion

EXTRA:

Violating this order could have resulted in a \$5000 fee and one year in prison. For ten points each:

[10] Executive Order 9066, issued less than three months after the bombing of Pearl Harbor, began this policy of forcibly relocating and incarcerating U.S. residents and citizens of this ethnicity.

ANSWER: <u>Japanese Internment</u> or <u>Internment of Japanese</u> (Prompt on <u>Internment</u>)

[10] This Supreme Court case ruled that Japanese Internment was constitutional because it was necessary to remove threats and it was impracticable to separate, "the disloyal from the loyal." This case is still accepted precedent, though it is viewed with suspicion by most jurists.

ANSWER: Korematsu v. United States

[10] In 1988, Ronald Reagan signed the Civil Liberties Act, which agreed to pay \$20,000 to the victims of Japanese Internment. The Civil Liberties Act was an example of this type of measure, in which the party at fault pays the harmed party.

ANSWER: Reparations