

Bulldog High School Academic Tournament XXI (2012): Oh God, Not the Spider Cows!

Written by Yale Student Academic Competitions

Edited by Matt Jackson, with John Lawrence, Ashvin Srivatsa, and Sam Spaulding

Round 6 Tossups

1. This country's church condemned the Remonstrant followers of Jacobus Arminius's teachings at the Synod of Dort. It established the *Beurs*, the world's oldest stock exchange, in 1602. An Ottoman import briefly triggered insanely high prices for tulips in this nation, where power rested with the stadtholder. It set up a largely Calvinist republic decades after seven provinces established an independent government under William of Orange. For 10 points, name this European country protected from the sea by dikes, whose Golden Age included booming sea trade at its ports of Rotterdam and Amsterdam.

ANSWER: the Netherlands [or Holland; or Nederland; or United Provinces; or Dutch Republic] <MJ>

2. In one of his novels, a stroke causes the protagonist to forget most of his experienced memories but remember every book he's read; that protagonist is named Yambo. Simone Simonini is the protagonist of his most recent novel, which investigates the origins of the Protocol of the Elders of Zion. This author of *The Mysterious Flame of Queen Loana* and *The Prague Cemetery* wrote about Belbo, Diotallevi, and Casaubon, who develop "The Plan". In another work by this author, Adso of Melk helps William of Baskerville investigate a series of bizarre murders in a monastery. For 10 points, name this Italian author of *Foucault's Pendulum* and *The Name of the Rose*.

ANSWER: Umberto Eco <JL>

3. In one of this author's sonnets, he bemoans his lack of achievement upon arriving at the age of twenty-three. In his Sonnet 19, he concludes that "they also serve who only stand and wait", after considering how his "light is spent". In addition to "On the Morning of Christ's Nativity" and "On His Blindness", this author also wrote a pastoral elegy for the drowning of Edward King in "Lycidas". This poet's most famous work attempts to "justify the ways of God to men," and one character in that work by him declares that it is "Better to reign in Hell, than serve in Heaven". For 10 points, name this poet of *Paradise Lost*.

ANSWER: John Milton <CSM>

4. One side of this war was massacred in harbor after a lunar eclipse led its superstitious leader to keep fleeing ships docked for twenty-seven extra days. This war began as a dispute over Corcyra, and one eight-book account of it recounts a plague immediately after describing a funeral oration for its war dead. It briefly halted during the Peace of Nicias, which broke for the failed Sicilian expedition under Alcibiades. Thucydides [*thoo-SID-uh-deez*] recounted the losing city's use of Delian league triremes in this war. For 10 points, name this thirty-year conflict fought between Athens and Sparta.

ANSWER: Peloponnesian Wars <RB/MJ>

5. One theory of this process proposes that the water gas shift reaction with pyrite catalysis near hydrothermal vents was primarily responsible for it. Any theory of this process must explain the homochirality of amino acids and the origin of compartmentalization. It may have occurred via panspermia or via the spontaneous formation of liposome-enclosed protobionts. One experiment which simulated this process electrified a mixture of primordial gases to yield biological macromolecules, and was conducted by Urey and Miller. For 10 points, name this process which preceded evolution, the appearance of beings capable of metabolism and replication.

ANSWER: the origin of life on Earth [or obvious equivalents such as the beginning of life; or abiogenesis; or biopoiesis] <AS>

6. In one part of this building, four bronze sculptures of the Church Doctors suspend a sacred throne in the air. One notable structure in this building is a canopy supported by four black Solomonic columns, which covers the High Altar. The main façade of this building was designed by Carlo Maderno. Antonio Sangallo proposed many alterations to the original designs for this building, which were by Donato Bramante. This building is also the site of Bernini's *Baldacchino* and Michelangelo's *Pieta*. For 10 points, name this church located in Vatican City.

ANSWER: Papal Basilica of St. Peter [or equivalents such as "St. Peter's Basilica"] <JL>

7. This man was told to go to Phthia in three days' time by a white-clad woman in a dream. In one text, this man draws a diagonal line through a square and makes it the edge of a new square of twice the size. This man believed that his superior wisdom consisted only in knowing that he knew nothing. He described himself as a "gadfly of the state," and insisted on remaining in jail despite an escape offer from Criton. A few days after he spoke defending himself in court, this man's students gathered around him as he drank hemlock. For 10 points, name this inquisitive philosopher whose native Athens sentenced him to death.

ANSWER: **Socrates** <MJ>

8. The logarithm of the probability of these events in a certain bit-array used to test for set membership is proportional to the quotient of the filter size and the number of elements in the filter. That data structure is the Bloom filter. Highly specific tests minimize the occurrence of these events. Epidemiological tests for non-life-threatening conditions that are costly to treat generally seek to minimize their occurrence. Statistical significance is a measure of the likelihood that one of these events occur, in which a Type I error is made and rejection of a true null hypothesis occurs. For 10 points, name these events in which a test incorrectly indicates that a condition is present.

ANSWER: **false positives** [accept **Type I** error until it is read] <AS>

9. One Belgian virtuoso on this instrument wrote a set of six sonatas for it, each tailored to the style of a different contemporary player of it. Joseph Szigeti and George Enescu are among the dedicatees of those works by Eugène Ysaÿe. A chaconne in D minor appears in a partita for this instrument by Johann Sebastian Bach. One A-minor piece originally for this instrument is the basis for sets of variations by Brahms and Liszt, as well as a rhapsody by Sergei Rachmaninoff. That piece is the twenty-fourth caprice by Niccolò Paganini, a virtuoso on this instrument. For 10 points, name this string instrument played by the concertmaster in an orchestra, pitched higher than a viola.

ANSWER: **violin** <KK>

10. One mayor of this city was known as "Honey Fitz." Buddy McLean led this city's Winter Hill Gang, which was taken over by eventual FBI informant Whitey Bulger. In 1919, the explosion of a Purity Distilling Company storage tank in this city's North End led to almost a dozen deaths from a molasses flood, and Calvin Coolidge argued against its police force going on strike. This site of the Big Dig began maintaining a "Freedom Trail" in 1951, ending at a monument to the battle of Bunker Hill, which happened here. For 10 points, name this largest city in Massachusetts.

ANSWER: **Boston**, Massachusetts <MJ>

11. In 2011, a large underground river was found in this country and named Hamza after one its geologist discoverers. The proposed Belo Monte dam would sit on the Xingu [*SHING-goo*] river in this country. Cars in this nation run on "gasohol" or ethanol made from its sugar cane cultivation. The first Jews in the Americas came to the city of Recife, now in this nation, whose planned capital has city limits shaped like an airplane. Slums called *favelas* surround a major city of this nation home to the Mato Grosso, where a statue of Christ the Redeemer also stands with open arms. For 10 points, name this site of rapid deforestation, a Portuguese-speaking nation in South America.

ANSWER: Federative Republic of **Brazil** [or República Federativa do **Brasil**] <BH/MJ>

12. The last act of this play sees one character enter with an armful of snapdragons, which he then throws like spears. A biologist in this play married his wife because she had a hysterical pregnancy, and that wife is only ever referred to as "Honey." Two different characters in this play are said to have crashed cars after swerving to avoid hitting a porcupine. The main characters of this work play a number of nightmarish games, including "Get the Guest" and "Hump the Hostess" while drinking heavily after a faculty party. This play's climax sees Nick told that George and Martha's son doesn't actually exist. For 10 points, name this Edward Albee play.

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

13. While hunting a boar, this man refused healing water to a dying companion, since years earlier that "love spot"-bearing companion had eloped with this man's bride. This hero's wife, who was transformed from a deer, was named Sadb (*sahv*). This mythical father of Ossian isn't dead, but sleeps in a cave until the hour of need. This man's rivals included his father's killer, Goll mac Morna, and he benefitted from sucking his burnt thumb while cooking the Salmon of Knowledge. For 10 points, name this mythical Irish warrior, who led the Fianna and was taught by the similarly-named Finegas.

ANSWER: **Finn macCool** [or **Fionn mac Cumhail**]; or **Fingal** <MJ>

14. A bathroom shower in this work features a panel with over a hundred options for washing and cosmetics. In this book, the word “leave” is used euphemism for a catatonic episode undergone by the protagonist’s mother, and the narrator uses flowers to cover Rue. Silver parachutes occasionally fall in this book, which introduces supporting characters such as Effie Trinket, the drunk Haymitch Abernathy, and the protagonist’s sister Primrose. For 10 points, Peeta Meelark and Katniss Everdeen are the two tributes from District 12 in what novel by Suzanne Collins about a competition in which teens fight to the death?

ANSWER: *The Hunger Games* <MPG/MJ>

15. The bodies of this man's two sons by Asenath were carried along with his to be buried in Shechem. Late in life, he accused a younger brother of stealing a silver cup from his treasury. This man was put in jail with a cupbearer and baker for allegedly sleeping with the wife of Potiphar. He later became a grand vizier after correctly predicting a seven-year famine in Egypt by interpreting Pharaoh’s dreams. For 10 points, name this man sold into slavery by his eleven brothers, who for being the favorite son of the Hebrew patriarch Jacob was given a coat of many colors.

ANSWER: Joseph [or Yosef] <MHH>

16. George Stigler argued against this quantity’s “kinked” type, which often appears in oligopolies. Changes in two types of this quantity are related by the Slutsky equation; those types are named for John Hicks and Alfred Marshall. The income and substitution effects can explain the “law of” this quantity, which Veblen goods violate due to their direct relationship with price, when its namesake curve usually shows a drop in this quantity as price goes up. For 10 points, name this term that describes the willingness of consumers to purchase, and determines prices along with supply.

ANSWER: demand curve [or demand function] <AD>

17. In one of this author’s stories, a character recollects a song about a soldier of the Legion dying in Algiers. In that story by this author, one character repeatedly asks “Billie, will you spell me?”. In another of this author’s stories, Johnnie Scully is accused of cheating in a game of High-Five by a character known as The Swede. In one of his stories, the cook, the correspondent, the oiler, and the captain are stranded in the title craft after a shipwreck. In his most famous novel, Jim Conklin’s heroic death is witnessed by Henry Fleming during the Civil War. For 10 points, name this author of “The Blue Hotel”, “The Open Boat” and *The Red Badge of Courage*.

ANSWER: Stephen Crane <JL>

18. A high value of this property is responsible for the electron-withdrawing nature of nitro compounds. One definition of it flips a sign but is otherwise the same as the definition of chemical hardness, computing it as the average of the ionization energy and an analogue of this property, the electron affinity. The most common definition of it compares the energies of homo- and hetero-nuclear bonds, and defines hydrogen as standard at 2.1. That scale, defined by Pauling, sets the value of this property to 3.98 for fluorine. It increases up and to the right on the periodic table. For 10 points, name this empirical property that reflects the ability of atoms to attract electrons in a bond.

ANSWER: electronegativity <IP>

19. One model for the energy of these objects contains a volume term whose energy arises from the energy of a pion-mediated interaction in these objects; that model treats these objects as incompressible liquid drops. They are found to be particularly stable when they are composed of magic numbers of particles. Its constituents are the two most stable baryons, composed of up and down quarks. The disproof of the plum pudding model by Rutherford’s gold foil experiment led to the conclusion that these structures exist. For 10 points, name this structure, which may undergo beta decay and is composed of protons and neutrons.

ANSWER: atomic nucleus [or atomic nuclei; accept nuclides] <AS>

20. Protests by these people included the Wave Hill walk-off and the Pilbara strike. Many of these people were used as “trackers” by police in the leadup to the Glenrowan siege, and some of them made a quickly-voided agreement to sell land to John Batman. Many of these people were forced into half-caste mission schools by a policy once remembered on National Sorry Day; a formal apology to them for that “stolen generations” policy was issued in 2008 by Kevin Rudd, then Prime Minister. Many of these people still venerate Uluru. For 10 points, name these dark-skinned people who developed the didgeridoo before the arrival of whites to Australia.

ANSWER: Australian Aborigines [or aboriginals, or indigenous Australians; prompt “blacks”] <MJ>

[STOP HERE]

[You have reached the end of the round. Do not continue reading unless the game is tied or a tossup was thrown out earlier in the round.]

21. During this war, the Principality of Montenegro feebly declared war in moral support of one side. The *Pallada* survived a torpedo before being captured in this war. Domestic protests organized by Father Gapon broke out during this war. Its largest land battle took place at Mukden between the blockade on Port Arthur and the rout which took place at Tsushima strait, which destroyed the Baltic Fleet. Theodore Roosevelt help negotiate this war's end via the Treaty of Portsmouth. For 10 points, name this war which Tsar Nicholas II's country lost to the armies of Emperor Meiji.

ANSWER: **Russo-Japanese** War of 1904-5 [accept answers involving the **Russian** Empire and Imperial **Japan** going to war] <MJ>

Round 6 Bonuses

1. Scientists now classify all organisms into one of three domains of life. For 10 points each:

[10] Name the domain which contains single-celled prokaryotes. They are less closely related to eukaryotes than the Archaeans are.

ANSWER: **Bacteria** [accept **Eubacteria**]

[10] In this process, bacteria reproduce asexually by undergoing division into two daughter cells.

ANSWER: **binary fission** [prompt on “fission”]

[10] Bacteria may exchange DNA via this horizontal gene transfer process. In it, bacteria with F factor produce a sex pilus and transfer a plasmid to their partner bacterium.

ANSWER: bacterial **conjugation** <DStobierski>

2. Answer some questions about French Post-Impressionism, for 10 points each.

[10] In this Henri Rousseau painting, a brown lion sniffs near the head of the title figure, who lies prone next to her guitar.

ANSWER: *The **Sleeping Gypsy*** [or *La **Bohémienne endormie***]

[10] This other French Post-Impressionist of *The Yellow Christ* is most famous for numerous paintings he did while in Tahiti.

ANSWER: Paul **Gauguin**

[10] Gauguin depicted a bunch of women in white headdresses watching a fight between biblical figures in an orange landscape in this painting.

ANSWER: ***Vision After the Sermon*** [or ***Jacob Wrestling with the Angel***] <JL>

3. For 10 points each, answer these questions about continuing violence in the Middle East.

[10] In this country, protests have led to ongoing violent crackdowns and at least five thousands deaths. Its leader, Bashar al-Assad, has refused to step down.

ANSWER: **Syrian** Arab Republic [or al-Jumhūriyyah al-‘Arabīyah as-**Sūriyyah**]

[10] Massacres continued during the wintertime visit of legates from this 21-nation body which suspended Syria from its membership.

ANSWER: **Arab League**

[10] In February Assad’s regime began shelling this western city south of Hama and north of Damascus. Street fights between Sunnis and Alawites broke out in this city where almost half the uprising’s deaths have occurred.

ANSWER: **Homs** [or **Hims** or **Emesa**] <MJ>

4. Identify these people who summarized and spread knowledge of Greco-Roman mythology, for 10 points each.

[10] Epithets such as “wine-dark sea” and “rosy fingertips of Dawn” are usually attributed to this blind bard, who compiled Trojan War myths in his *Iliad* and *Odyssey*.

ANSWER: **Homer** [or **Omeros**]

[10] This author described the descent from the Gold and Silver ages of man in his pastoral *Works and Days*, and drew up an elaborate genealogy of the Greek pantheon in his *Theogony*.

ANSWER: **Hesiod** [or **Hesiodos**]

[10] This 19th-century American republished his *The Age of Fable* with *The Age of Chivalry* in a namesake volume of *Mythology*, which he intended to help his audience enjoy literary references more.

ANSWER: Thomas **Bulfinch** <MJ>

5. This novel’s protagonist is corrupted by the influence of Lord Henry Wotton and a “poisonous” French novel. For 10 points each:

[10] Name this novel, whose title object, created by Basil Hallward, ages instead of the youth it depicts, who sinks deeper into depravity and decadence.

ANSWER: *The **Picture of Dorian Gray***

[10] *The Picture of Dorian Gray* is by this Irish author and wit who wrote of Jack Worthing and Algernon Moncrief’s battles over the title name in *The Importance of Being Earnest*.

ANSWER: Oscar [Fingal O’Flahertie Wills] **Wilde**

[10] Mrs. Cheverley’s efforts to blackmail Sir Robert Chiltern are hampered by Lord Goring’s interference in this play, in which Sir Robert worries about falling off the pedestal his wife has put him on.

ANSWER: *An **Ideal Husband*** <JL>

6. For 10 points each, answer these questions about second-wave feminist thought.

[10] This woman, the first president of the National Organization for Women, sparked a revival of feminism in the USA with her book *The Feminine Mystique*.

ANSWER: Betty Friedan [or Bettye Naomi Goldstein]

[10] Many second-wave feminists drew on this French feminist and lover of Jean-Paul Sartre, who examined the existential problems posed by women's subjection in *The Second Sex*.

ANSWER: Simone de Beauvoir

[10] A central thesis of *The Second Sex* is that women have been posited as this thing by men, who posit Man as the Subject. Hegel notes that the Self becomes an "I" when the mind relates itself to this conceptual being.

ANSWER: the Other [or l'Autre] <SSp>

7. This man, who went on at least three multi-day fasts, was inspired to activism by his own childhood in a Chicano migrant laborer family. For 10 points each:

[10] Name this man who created the United Farm Workers to secure better working conditions for exploited Spanish-speaking Latinos in California.

ANSWER: César Estrada Chavez

[10] The United Farm Workers' symbol was a simplified black Aztec one of these creatures. The National Recovery Administration used a blue one as its symbol during the New Deal.

ANSWER: eagles

[10] United Farm Workers was founded during, and supported, a massive 1966 strike by workers with this agricultural product in Delano, California.

ANSWER: grapes <MJ>

8. These devices exhibit simple harmonic motion only for small angular displacements. For 10 points each:

[10] Name these devices used to keep time in grandfather clocks, whose period is independent of their amplitude, as long as the amplitude is not too large.

ANSWER: pendulums

[10] The period of a pendulum at small amplitudes is a function only of this quantity and the local gravitational acceleration.

ANSWER: the pendulum's length [or obvious equivalents]

[10] The fictitious force responsible for the change in the Foucault pendulum's path is this one. Its magnitude is proportional to Earth's angular velocity crossed with the pendulum's linear velocity.

ANSWER: Coriolis force [accept Coriolis effect] <AS>

9. This musical's first act ends with the belt song "Defying Gravity." For 10 points each:

[10] Name this 2003 Broadway hit which lost the Best Musical Tony to *Avenue Q*, a prequel to *The Wizard of Oz*.

ANSWER: Wicked

[10] In *Wicked*, the future Witch of the West is known by this given name. Idina Menzel originated this role.

ANSWER: Elphaba

[10] This composer and lyricist for *Wicked* also created the show *Godspell*. His work in film includes collaborations with Alan Menken on *Pocahontas* and *Enchanted*, as well as the lyrics for DreamWorks's *The Prince of Egypt*.

ANSWER: Stephen Schwartz <MJ>

10. The author of *The Civilizing Process*, Norbert Elias, was a pioneer in this academic discipline, in which an early German practitioner described how the Protestant work ethic drove capitalist innovation. For 10 points each:

[10] Name this social science practiced by Max Weber [*VEY-burr*], which seeks to analyze the nature of human interaction in large groups.

ANSWER: sociology [prompt "social theory"]

[10] This pioneering sociologist authored *Rules of the Sociological Method* and analyzed anomie as one of four attitudes leading to the title phenomenon in his study *Suicide*.

ANSWER: Emile Durkheim

[10] This positivist Frenchman coined the term "sociology" and also wrote "Course in Positive Philosophy." He devised a law of three mental stages which all societies undergo.

ANSWER: August Comte <SS>

11. This kingdom's official language was Ge'ez. For 10 points each:

[10] Name this kingdom of modern-day Ethiopia which traded across the Red Sea with Arabia and built several tall stone *stelae* as monuments. It conquered the Sudanese Kingdom of Kush during the 1st century AD.

ANSWER: Kingdom of Axum [or Kingdom of Aksum; or Aksumite Empire; or Abyssinia]

[10] Axum was very early to officially adopt this religion, which sorted out heresies at the Council of Nicaea after the Roman emperor Constantine converted.

ANSWER: Christianity [prompt "Catholicism"]

[10] This Christian denomination exerted a heavy influence over the development of Ethiopian Christianity. Pope Athanasius of this Church established a bishopric in the Kingdom of Axum, and it still exists in Egypt.

ANSWER: Coptic Orthodox Church of Alexandria [or Copts] <RB>

12. In Jainism, this concept is believed to consist of tiny particles which literally accumulate on a person's soul. For 10 points each:

[10] Name this South Asian concept of causality by deed, which implies that an individual's good deeds bear good fruit for that individual and the inverse. This principle affects reincarnation.

ANSWER: karma

[10] Hindus and Buddhists give the cycle of reincarnation this name. Breaking free of this cycle allows the soul to attain a state called *moksha* in Hinduism and *nirvana* in Buddhism.

ANSWER: samsara

[10] One way to achieve *moksha* is to realize that the omnipresent universal soul is actually the same as the individual soul, manifested in a given living being as the *jiva*. Name either the universal or individual aspect.

ANSWER: brahman [universal] OR atman [individual] <MJ>

13. One story in this collection describes the infinite holdings of "The Library of Babel," and another offers interpretations of the betrayal of Christ, "Three Versions of Judas." For 10 points each,

[10] Name this anthology by the author of *Labyrinths*, which includes stories like "Funes, the Memorious," "The Circular Ruins," and "The Secret Miracle."

ANSWER: Ficciones [or Fictions]

[10] *Ficciones* is a work by this Argentine author, who also wrote *The Aleph*.

ANSWER: Jorge Francisco Isidoro Luis Borges Acevedo

[10] *Ficciones* includes this story, in which the spy Dr. Yu-Tsun learns about his ancestor Ts'ui Pen's attempt at a literary version of the title structure.

ANSWER: "The Garden of Forking Paths" [or "El Jardín de senderos que se bifurcan"] <SJW>

14. Green and Tao proved that the set of these numbers contains arbitrarily long arithmetic progressions. For 10 points each:

[10] Name these natural numbers which are divisible only by one and themselves.

ANSWER: prime numbers

[10] The prime number theorem states that the number of primes less than x is asymptotically equivalent to x divided by this function of x . This function of x plus this function of y equals this function of x times y .

ANSWER: natural logarithm

[10] This function was used in the first proof of the prime number theorem. It has trivial zeroes at the negative even integers, and its nontrivial zeroes are conjectured to have real part one-half.

ANSWER: Riemann zeta function [prompt on "zeta function"] <AD>

15. It was published serially from 1819 to 1820 and includes stories attributed to Dietrich Knickerbocker. For 10 points each:

[10] Name this collection of essays and stories which includes a story about Herman von Starkenfaust posing as Count Van Alternburg, "The Spectre Bridegroom", and a certain story about Ichabod Crane.

ANSWER: *The Sketch Book of Geoffrey Crayon, Gent.*

[10] *The Sketch Book of Geoffrey Crayon* is by this American author of "The Legend of Sleepy Hollow".

ANSWER: Washington Irving

[10] Besides "The Headless Horseman", Irving's most famous creation is probably this man, who sleeps for twenty years, waking up after the American Revolution.

ANSWER: Rip van Winkle <JL>

16. The final song in this work depicts a hurdy-gurdy man who is ignored by everyone, and in another song triplet figures in the piano depict the rustling of the title “Linden Tree.” For 10 points each:

[10] Name this cycle of twenty-four songs with texts by Wilhelm Müller, who had also written the texts for its composer’s earlier cycle *Die schöne Müllerin*.

ANSWER: Winterreise [or Winter Journey]

[10] *Winterreise* is by this Austrian composer who also wrote a number of chamber pieces based on his songs, such as the “Death and the Maiden” Quartet and the “Trout” Quintet.

ANSWER: Franz Schubert

[10] Schubert also composed this B minor orchestral work, so nicknamed because he only completed two movements instead of the customary four.

ANSWER: The “Unfinished Symphony” [or Symphony no. 8] <KK>

17. Modern measurements of this quantity are made by measuring the size of the silicon unit cell. For 10 points each:

[10] Name this quantity which is formally defined as proportional to the relative atomic mass of the electron divided by the electron rest mass. It is used as the scaling factor to relate microscopic and macroscopic physical laws.

ANSWER: Avogadro constant [accept Avogadro’s number; accept NA]

[10] This SI unit was formerly defined as the number of atoms in 12 grams of carbon-12. The periodic table typically reports the mass of this much of an element. It is defined by Avogadro’s number.

ANSWER: mole

[10] Avogadro’s constant is also the ratio between this quantity and electric charge. This quantity, named for a developer of some laws of electrolysis and a namesake “cage”, is the charge of a mole of electrons.

ANSWER: Faraday’s constant [do not accept “farad”] <DSteinberg/AS>

18. This war broke out two years after the House of Plantagenet lost the Hundred Years’ War. For 10 points each:

[10] Name this 15th-century civil war in England. They’re named for a symbol whose red-colored version was used by the house of Lancaster and whose white-colored version was the emblem of competing Yorkists.

ANSWER: Wars of the Roses

[10] This man combined the white and red roses into a symbol of his new Tudor dynasty. He ended the Wars of the Roses by defeating Richard III in battle at Bosworth Field.

ANSWER: Henry VII

[10] At the second battle of this name, troops under Margaret of Anjou rescued Henry VI from Richard Neville, the Earl of Warwick, who had held him prisoner. The first battle here began the war in 1455.

ANSWER: Battle of St. Albans <MJ>

19. The *devshirme* system was used in part to recruit these warriors by abducting boys from Christian families in the Balkans. For 10 points each:

[10] Name these elite corps of rifle-bearing warriors established by Murad I.

ANSWER: janissary corps [or janissaries; or yeni cheri]

[10] The janissaries served this Turkish empire, which besieged Vienna for the first of two times under its sultan Suleiman the Magnificent. It lasted into the 1920s.

ANSWER: Ottoman Empire [or Ottoman Turks]

[10] The Janissaries were disbanded before this period of 19th-century reforms, which began with the Rescript of the Rose Chamber. Its modernizing provisions included ending a tax on non-Muslims and nationalizing the census.

ANSWER: Tanzimat reforms [or Tanzimat era or whatever] <MJ>

20. Answer the following questions about operas based on Shakespeare, for 10 points each.

[10] This Italian composer's last two operas, *Otello* and *Falstaff*, were both based on Shakespeare. He also composed *Rigoletto*, *Aida*, and *Il trovatore*.

ANSWER: Giuseppe **Verdi**

[10] This *bel canto* composer adapted *Romeo and Juliet* in his opera *The Capulets and the Montagues*. His best-known opera concerns a druid priestess under Roman rule, *Norma*.

ANSWER: Vincenzo **Bellini**

[10] In *The Capulets and the Montagues*, Romeo is one of these roles in which a male character is played by a female singer. Other examples include Cherubino in *The Marriage of Figaro* and Nicklausse in *The Tales of Hoffmann*.

ANSWER: **trouser** role [or **pants** role; or **breeches** role] <KK>

21. This work's namesake stanza form is ABABCCDDEFFEGG. For 10 points each:

[10] Name this verse novel in which the title character kills his best friend, Lensky, after flirting with Olga and rejecting Tatyana.

ANSWER: **Eugene Onegin** [or **Yevgeny Onegin**]

[10] *Eugene Onegin* is by this Russian poet, author of four plays called *The Little Tragedies*.

ANSWER: Alexander Sergeyevich **Pushkin**

[10] One of Pushkin's *Little Tragedies*, *The Stone Guest*, is a retelling of the story of this character, who was first notably dramatized by Tirso de Molina in his *The Trickster of Seville*.

ANSWER: **Don Juan** <JL>