



# IMSANITY 2

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## -ROUND 12-

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## Tossups

- (1) Donald Knuth showed that a permutation can be sorted with one of these data structures if and only if it does not contain the pattern “two three one”. In C-based languages, memory allocation at runtime takes place in the heap and in this data structure, and they are implemented in reverse Polish notation for calculations. Some variants of this data structure make use of an operation to “peek” at the top element, although there are only two essential operations, one which adds an element to the top and the other which removes the top element; those operations are push and pop. For ten points, name this last-in-first-out data structure.

**ANSWER:** stack (accept last-in-first-out or LIFO before mentioned)

- (2) One work by this man begins with a discussion between the praise singer and protagonist in a land ruled by the “mother of the market,” Iyaloja. One play by this author used the characters Gunema, Kasco, Kaminin, and Tuboum to depict tyrants, and another follows the history professor Dr. Bandele. This author of *A Play of Giants* and *The Interpreters* also wrote about Sidi marrying a chief who will pay the bride price, Baroka, and not Lakunle. Another of his works features Simon Pilkings stopping the titular event, leading to Olunde and his father Elesin committing suicide. For ten points, name this Nigerian author of *The Lion and the Jewel* and *Death and the King’s Horseman*.

**ANSWER:** Wole Soyinka

- (3) During this conflict, Operation Odyssey Dawn began after U.N. Resolution 1973 was passed. After failing to capture Brega during this conflict, Abdul Fatah Younis was assassinated. After one victory, Green Square was renamed Martyrs’ Square, and this conflict saw the Battles of Zintan and Misrata. The son of one side’s leader led a namesake Khamis Brigade, and that leader of this war was eventually killed after the fall of Sirte. Ending with a victory by Mustafa Abdul Jalil and the National Transitional Council, for ten points, name this rebellion which overthrew Muammar Qaddafi.

**ANSWER:** Libyan Civil War (accept anything mentioning Libya and an internal conflict, accept rebellion against Qaddafi before mentioned, accept United States intervention in Libya on a first-line buzz)

- (4) This organization developed unused plans such as “Seven Days to the River Rhine” and “War of the Entire People.” Its charter was renewed for twenty years in 1985. Its only operation elevated Gustav Husak to power. Albania left this organization in 1968 in protest of that operation, and Romania repeatedly complained about its lack of independence within this organization. This organization conducted more military drills in 1968 than in any other year, mostly to intimidate Alexander Dubcek. This organization, which suppressed the Prague Spring, was formed in response to the creation of NATO. For ten points, name this military alliance of European communist nations that was led by the Soviet Union.

**ANSWER:** Warsaw Pact (or Warsaw Treaty Organization of Friendship, Cooperation, and Mutual Assistance)

- (5) This artist worked with Lily Reich in the design for the Barcelona chair, and at the 1929 International Exposition displayed his Barcelona Pavillion. This man also designed a building made completely of glass as well as the 860-880 Lake Shore Drive apartments in Chicago. He was the last director of the Bauhaus school, and his architectural philosophy is represented with his mottos “skin and bones” and “less is more”. The architect of the Farnsworth House, for ten points, name this man who, with Phillip Johnson, co-designed the Seagram building.

**ANSWER:** Ludwig Mies van der Rohe

- (6) This man forgot he could make his hands look diseased, and he needed a spokesperson since he had a speech impediment. His father-in-law suggested a multi-tiered court system which was promptly put into place. Because he used violence and hit with his staff instead of just talking, he died at only one hundred twenty, although the rock he hit did produce water. The water was needed because Miriam couldn't bring it anymore, and his brother Aaron died soon after that incident. The magicians of the Pharaoh were able to copy his first few miracles, but could not replicate the last eight of the ten plagues. For ten points, name this man who, after seeing a burning bush, freed his people from Egypt.

**ANSWER:** Moses or Moshe

- (7) The optical phenomenon of birefringence in the presence of one of these entities is the subject of the Voigt effect. Light in the presence of one of these entities has its plane of polarization rotated, described by the Faraday effect. The force on a charged particle in one of these entities is given by its charge times its velocity times the strength of the namesake field. It can produce an electric field if its strength changes, and is measured in Webers or Teslas. For ten points, name this type of field, Earth's of which is used by compasses.

**ANSWER:** magnetic field (accept B field)

- (8) This play takes place in an old café with a three-ring gas stove and a bathroom that flushes a couple of minutes after the chain has been pulled. One character criticizes the plates while preparing to make a cup of tea, and they later debate whether “light the kettle” or “put on the kettle” is the proper phrase. The characters send up stale cake, melted chocolate, sour milk, and mouldy biscuits, thereby emptying out the larder, although they still have plenty of matches left. While waiting for the other character to return, Gus combs his hair and straightens his jacket. For ten points, name this play in which the order to murder Ben is conveyed to Gus through the titular object, written by Harold Pinter.

**ANSWER:** The Dumbwaiter

- (9) The colony that became this state had a dispute with King George III when he vetoed the “Two-Penny Act” in what became known as the Parson’s Cause. One war in what became this state began when colonists attacked the Occaneechi instead of the Doegs, leading to a rebellion against the governor, William Berkeley. This state, which was discovered by Christopher Newport, fought a series of wars against the Powhatan confederacy. The first settlement in this state saw a “starving time” and was burned down during a rebellion led by Nathaniel Bacon. The colonial legislature in what became this state met in Williamsburg and was called the House of Burgesses. For ten points, identify this state which was home to Jamestown and the Confederate capital of Richmond.

**ANSWER:** Commonwealth of Virginia

- (10) This man proved that in any triangle, the distance from the incenter to the circumcenter is equal to the square root of the product of the circumradius and the difference between the circumradius and twice the inradius. This man also proved that the circumcenter, orthocenter, and centroid of a triangle all lie on a common line, his namesake line. This man’s namesake characteristic can be used to classify surfaces by genus, and a special case of that result is that, for any convex polyhedron, the number of vertices minus edges plus faces equals two. For ten points, name this prolific Swiss mathematician for whom the base of the natural logarithm,  $e$ , is named.

**ANSWER:** Leonhard Euler [pronounced “Oiler”]

- (11) One narrative poem by this author parodying Swinburne’s *Atalanta in Calydon* features a character, Ah Sin, who claims to “not understand” after caught cheating. In addition to “The Plain Language of Truthful James,” he also created a character whose epitaph is pinned to an oak tree with a two of clubs. That character had earlier won \$40 from “The Innocent” from Sandy Bar, Tom Stimson. Another of his characters dies in the arms of Kentuck during a flood; that character was taken care of by Stumpy because his mother, Cherokee Sal, had died. For ten points, name this American writer who created John Oakhurst in *Luck of Roaring Camp* and *Outcasts of Poker Flat*.

**ANSWER:** Bret Harte

- (12) Sergius and Bonus prevented this event, allowing Heraclius to defeat the Sassanid Empire. Theodosius II was worried that this event would occur after the death of Valens at the battle of Adrianople. A rapid succession of three Alexius’s preceded one of these events that was led by Enrico Dandolo. Giovanni Giustiniani’s death occurred during one of these actions. A long chain stretching out from the Galata Tower was supposed to prevent this event, but it happened twice anyway. Massive triple walls and Greek fire stopped most attempts at, for ten points, what action, successfully completed by crusaders in the Fourth Crusade and by Mehmet II in 1453, in which a certain city became a military target?

**ANSWER:** conquering Constantinople (accept “sieging”, “attacking”, “taking” in place of “conquering”, accept fall of Constantinople, accept all equivalents)

- (13) Cu Sith is a green type of this animal, and the noise it makes would warn farmers to lock up their wives. The Finnish Surma is this type of creature, and in Shinto mythology, Inugami is a guardian spirit of this type of animal. Besides one called Laeaps and one that guards the Cattle of Geryon, Norse mythology has one who protects Hel called Garm. Procris was given one of these which later hunted the Teumessian fox. Scylla had four to six of these animals' heads, and one of these was the first creature to recognize Odysseus upon his return and was named Argos. For ten points, name this type of animal which includes the three-headed Cerberus.

**ANSWER:** dogs

- (14) The mesolimbic system carries this molecule through the amygdala and hippocampus. This molecule is broken down by monoamine oxidase, and antagonists of this molecule are used in drugs that treat schizophrenia. It also functions as a hormone by inhibiting release of prolactin. It is the precursor to norepinephrine, and is synthesized from tyrosine. It is produced in the substantia nigra, and low levels of this molecule are related to Parkinson's disease. For ten points, name this neurotransmitter that is associated with feelings of pleasure and reward, and whose precursor is L-DOPA.

**ANSWER:** dopamine

- (15) The third and sixth movements of Brahms's *German Requiem* feature these pieces at their climaxes as a mixture of baroque and classical structure. Another Brahms work pairs variations and one of these pieces on a theme by Handel. Mozart's final symphony is a five-theme one of these, and Beethoven separately published the finale of his thirteenth string quartet as a "Grand" one of these compositions. The piccolo begins this section of Britten's *Young Person's Guide to the Orchestra*, and Bach wrote a book detailing the *Art of [this form]*. For ten points, name this compositional technique where one voice states a subject that is imitated by another voice.

**ANSWER:** fugues

- (16) The Jos Plateau lies in the center of this country. Port Harcourt is a major oil-refining center in this country, whose southeastern portion is dominated by the Adamawa Plateau. The Kainji Dam lies on the course of this country's principal river, which meets with the Benue River before flowing into the Gulf of Guinea. This country's Muslim population is centered in the north around Kano, while its southern population is majority Christian. The University of Ibadan in this country is one of the premier universities in Africa. Bordering Lake Chad, for ten points, name this most populous nation in Africa whose largest city is Lagos and whose capital is Abuja.

**ANSWER:** Federal Republic of Nigeria

- (17) By applying redox reaction potentials to determine values for Gibbs free energy, the Bordwell cycle functions as an extension of this scientific law. This law is applied in determining the lattice energy of a compound in the Born-Haber cycle, and this law is an expression of the First Law of Thermodynamics. The quantity involved in this law is independent of the reaction pathway, as that quantity is a state function. For ten points, name this law that states that the sum of the heats in each step of a reaction is equal to the overall heat of reaction.

**ANSWER:** Hess's law (accept Bordwell cycle before mention)

- (18) This man's son Samsuiluna controlled the government during the later years of his reign. This leader defeated Eshnunna by damming a river that flowed through it, and fought one war to retain access to iron-producing regions in modern-day Iran. He took the city of Isin from his ally Rim-Sin, but made a truce in order to defeat a coalition of Ashur, Eshnunna, and Elam. This king of the Amorites turned on Rim-Sin again to capture Larsa and Uruk, using as a weapon his control of the Tigris River. The artifact that made this king famous was found in Susa. For ten points, name this king of Babylon whose code of laws uses the rule "An eye for an eye."



**ANSWER:** Hammurabi

- (19) One of this composer's submissions for the Prix de Rome was his widely acclaimed *String Quartet in F*. He is not Prokofiev, but Paul Wittgenstein commissioned a Piano Concerto for the Left Hand from this composer. Bertrand and Poe inspired and influenced his solo piano piece *Gaspard de la Nuit*, and this composer of *Rapsodie espagnole* published a number of works while studying under Fauré, including *Pavane pour une infante défunte*. He was notably the harshest critic of what is today his most famous orchestral work, which features such instruments as soprano saxophones and a celesta in a crescendo built over a snare drum ostinato. For ten points, name this French composer of *Boléro*.

**ANSWER:** Joseph-Maurice Ravel

- (20) In a work by this author, a pleasure city for men is founded by Leocadia Begbick, Trinity Moses, and Fatty the Bookkeeper. The titular character of another work by this author loses her oldest son when he's shot for killing peasants, her youngest son when she can't negotiate his rescue, and her daughter when she bangs a drum to wake up the townspeople. This author of *The Rise and Fall of the City of Mahagonny* wrote about Grusha Vashnadze's refusal to pull Michael out of *The Caucasian Chalk Circle* while another of his works features Canteen Anna, Eilif, Katrin, and Swiss Cheese during the Thirty Years War. For ten points, name this author of *Mother Courage and Her Children*.

**ANSWER:** Bertolt Brecht

- (21) Alkali hydroxide is produced by the Castner-Kellner process, which uses this method.  Fleischmann and Pons performed this action on heavy water, which led them to believe that they had caused cold fusion. Using Faraday's laws, one can compute the mass of a substance produced due to involvement in this process, and Sir Humphrey Davy used this  process to discover several elements. This process is performed on alumina dissolved in cryolite in the Hall-Heroult process to produce aluminum, and performing this process on water produces hydrogen and oxygen gas. For ten points, name this process in which a current is passed through a liquid between two electrodes.

**ANSWER:** electrolysis

## Bonuses

(1) It is said that George Washington did not want political parties. For ten points each:



[10] This set of acts lengthened the amount of time before a resident became a citizen, and made it a crime to publish “false, scandalous, and malicious writing” against the government. Thomas Jefferson and James Madison wrote the Virginia and Kentucky resolutions against these acts.



**ANSWER:** Alien and Sedition Acts of 1798 (prompt on partial answer)

[10] Along with Dick Cheney, this man was the only sitting vice-president to shoot someone. Alexander Hamilton died after a duel with this New York politician.

**ANSWER:** Aaron Burr

[10] The Judiciary Act of 1801 increased the size and number of circuit and district courts. This was the nickname for the justices John Adams appointed before Jefferson’s inauguration. Marbury of Marbury v. Madison fame was one of these judges.

**ANSWER:** Midnight Judges

(2) One example of this relationship is parasitism, in which one organism is harmed and the other benefits. For ten points each:



[10] Name this interaction between species, which also includes mutualism.



**ANSWER:** symbiosis or symbiotic interaction or relation

[10] An example of mutualism is this composite organism, which is formed by the combination of one organism capable of photosynthesis, such as algae, and a fungus.

**ANSWER:** lichen

[10] This type of symbiosis occurs when one organism is harmed while the other is unaffected. One example is a horse stepping on grass, killing it, while the horse is unaffected.

**ANSWER:** amensalism

(3) The speaker of this poem hears the “sound of vernal showers/On the twinkling grass” as well as the title figure’s “shrill delight.” For ten points each:



[10] Name this poem which begins “hail to thee, blithe spirit!” and compares the title figure to a “poet hidden/In the light of thought.”



**ANSWER:** To a Skylark

[10] This Romantic poet of *To a Skylark* also wrote the poems *Ozymandias* and *Ode to the West Wind* in addition to penning an essay titled *A Defence of Poetry*.

**ANSWER:** Percy Bysshe Shelley

[10] This earlier English poet also wrote a similarly titled *The Defence of Poesy*. He is more famous for a collection of 108 sonnets and 11 songs, *Astrophel and Stella*.

**ANSWER:** Sir Philip Sidney



(4) Answer the following about the mythology of Rome for ten points each:



[10] Rome traces its roots back to this hero, the son of Anchises and Venus, who fled the city of Troy after its downfall and is the main character of a work by Virgil.



**ANSWER:** Aeneas

[10] Rome's founders, Romulus and Remus, were the children of Mars and this woman, who was forced to become a vestal virgin by Numitor.

**ANSWER:** Rhea Silvia or Ilia

[10] This event occurred early in the history of Rome because Romulus only brought men to found the city and a neighboring tribe refused to allow their daughters to marry Romans.

**ANSWER:** rape of the Sabine women (accept "abduction" or equivalents in place of "rape")

(5) He depicted the clash between Montagues and Capulets in the "Dance of the Knights". For ten points each:



[10] This Russian composer of the ballet *Romeo and Juliet* also had the clarinet play a cat and the bassoon play the grandfather in his musical adaptation of *Peter and the Wolf*.



**ANSWER:** Sergei Sergeyevich Prokofiev

[10] A gavotte replaces the traditional minuet in the third movement of this Prokofiev symphony. Prokofiev was inspired by the musical styles and forms of Haydn's era, which is reflected in the common name of this symphony.

**ANSWER:** Symphony No. 1 in D major, Op. 25 "Classical" (accept either underlined part, accept First Symphony)

[10] Prokofiev adapted Carlo Guzzi's play of the same name for this opera in which the Prince is cursed with an infatuation for the title objects and must seek them with the help of Truffaldino.

**ANSWER:** The Love for the Three Oranges

(6) Their sizes can be measured by numbers like aleph-null and aleph-one. For ten points each:



[10] Identify this type of set whose number of elements is greater than any real number.



**ANSWER:** infinite

[10] Infinite sets have the property that there exists this type of function between the set and a proper subset. These functions are both injections and surjections.

**ANSWER:** bijection (or one-to-one correspondence)

[10] Using diagonalization to find a bijection between rational numbers and natural numbers, Georg Cantor showed that the set of rational numbers have this property in which its size is the smallest possible infinity.

**ANSWER:** countable or countability

(7) Answer the following about the start of the French Revolution for ten points each.



[10] This queen of France and wife of Louis XVI was guillotined with him. She was the daughter of Maria Theresa and famously said “Bah! Let them eat cake.”



**ANSWER:** Marie Antoinette

[10] Marie Antoinette’s image declined following this scandal, in which a con artist pretending to be the queen got a cardinal to buy the namesake object. Even though she was blameless, the French public thought this was an attempt to defraud France.

**ANSWER:** Affair of the Diamond Necklace

[10] The French Revolution is often considered to have begun with the storming of this French prison-fortress on July 14.

**ANSWER:** Bastille

(8) The speaker of this poem inquires the “thin men of Haddam” why they imagine golden birds while the title figure walks around the feet of women, and this poem ends with the title figure sitting “in the cedar limbs.” For ten points each:



[10] Name this poem which begins by describing the eye of the title animal as “the only moving thing” “among twenty snowy mountains.”



**ANSWER:** Thirteen Ways of Looking at a Blackbird

[10] This other poem by the author of *Thirteen Ways of Looking at a Blackbird* contains the line “Let be be finale of seem” and opens with “Call the roller of big cigars.”

**ANSWER:** The Emperor of Ice Cream

[10] Name the poet of *The Emperor of Ice Cream* whose poetry collection *Harmonium* features other poems like *The Comedian as the Letter C* and *Disillusionment of Ten O’Clock*.

**ANSWER:** Wallace Stevens

(9) Substances exhibiting this phenomenon retain surface tension, which allows them to crawl up walls. For ten points each:



[10] Name this phenomenon in which substances display zero viscosity.



**ANSWER:** superfluidity

[10] Superfluidity was first observed in this element, cooled to the lambda point, or about 2.17 Kelvin. Its nucleus is an alpha particle, and it is formed from hydrogen fusion in main sequence stars.

**ANSWER:** helium (or He)

[10] Formation of superfluids is related to this state of matter, which is a weakly interacting dilute gas composed of particles with integer spin. A large portion of them collapse into the lowest possible quantum state.

**ANSWER:** Bose-Einstein Condensate

- (10) This movement was associated with concepts such as technology, speed, and movement. For ten points each:



[10] Name this movement exemplified by Gino Severini's *Armoured Train in Action* and Giacomo Balla's *Abstract Speed + Sound*.



**ANSWER:** Futurism or Futurist

[10] This Futurist artist wrote the *Manifesto of Futurist Sculpture* and captured the movement of a human figure in his sculpture *Unique Forms of Continuity in Space*. He also painted the *States of Mind* series.

**ANSWER:** Umberto Boccioni

[10] Boccioni hailed from this country in which the futurist movement originated.

**ANSWER:** Italy

- (11) He published a paper in 1884 recommending coca for warding off hunger and sleep. For ten points each:



[10] Name this Austrian psychoanalyst who wrote *The Ego and the Id* and *Beyond the Pleasure Principle*.



**ANSWER:** Sigmund Freud (or Sigismund Schlomo Freud)

[10] Freud also wrote this work in which he argued that the titular entities were forms of wish fulfillment. Freud posits that one example, "Irma's Injection", satisfies his wish to be free from a patient's blame.

**ANSWER:** The Interpretation of Dreams (or Die Traumdeutung)

[10] In *The Interpretation of Dreams*, Freud introduced the idea of this psychological conflict in which a boy competes with his father for control of his mother.

**ANSWER:** Oedipus complex

- (12) Pedro Calderon de la Barca and San Juan de la Cruz were both writers from this nation. For ten points each:



[10] Name this country whose golden age of literature started after the reconquista.



**ANSWER:** Spain

[10] One author during Spain's golden age was this poet and playwright who wrote about Laurencia and the titular village of Fuente Ovejuna in *Sheep's Well* as well as writing *The Dog in the Manger*.

**ANSWER:** Lope de Vega

[10] Another important group of Spanish authors was this one, so named for the year of the Spanish-American War. It included such authors as Miguel de Unamuno and Jose Martinez Ruiz.

**ANSWER:** Generation of '98

- (13) This proponent of the heliocentric theory discovered four moons of Jupiter. For ten points each:



[10] Name this scientist who built several weak telescopes and studied the phases of Venus.



**ANSWER:** Galileo Galilei

[10] Galileo put forth a basic principle of this concept, which tells that the laws of physics apply in the same way to all inertial reference frames.

**ANSWER:** relativity

[10] Galileo dropped several objects off of the Leaning Tower of Pisa to demonstrate that the acceleration on an object is independent of this quantity. This quantity's namesake defect times  $c$  squared gives the binding energy, important in nuclear fusion.

**ANSWER:** mass

- (14) He sculpted the statue of Athena in the Parthenon, *Athena Parthenos*. For ten points each:



[10] Name this Greek sculptor of the *Statue of Zeus at Olympia*, one of the Seven Wonders of the ancient world.



**ANSWER:** Phidias

[10] This other Greek sculptor created *Apollo Sauroctonos* and *Aphrodite of Cnidus*, but is more famous for his *Hermes Bearing the Infant Dionysus*.

**ANSWER:** Praxiteles

[10] Both Phidias's *Athena Parthenos* and Praxiteles's *Hermes Bearing the Infant Dionysus* featured figures in this position, in which the figure appears to stand with more of its weight on one foot than the other to indicate a dynamic position.

**ANSWER:** contrapposto (or counterpose)

- (15) This work contrasts the concepts of “infinite mode” and “finite mode” after defining God to be “absolutely infinity” and God's will to be a “sanctuary of ignorance.” For ten points each:



[10] “Of Human Bondage” is the fourth section of this book, a philosophical work presented in a “geometrical order.”

**ANSWER:** Ethics (or Ethica)

[10] This Dutch writer of *Ethics* also wrote *On the Improvement of Understanding* and *Tractatus Theologico-Politicus*.

**ANSWER:** Baruch de Spinoza (or Benedict de Spinoza)

[10] Another philosopher who wrote about ethics was this British philosopher who used his open question argument to determine that “good” is indefinable and discussed “naturalistic fallacy” in his *Principia Ethica*.

**ANSWER:** George Edward Moore

- (16) For a real number  $x$ , it can be computed as the square root of  $x$  squared. For ten points each:



[10] Identify this measure of the magnitude of a real number, equal to  $x$  if  $x$  is positive and negative  $x$  if  $x$  is negative.



**ANSWER:** absolute value

[10] Absolute values obey this inequality since the absolute value of  $x$  plus  $y$  is less than or equal to the absolute value of  $x$  plus the absolute value of  $y$ . The inequality ensures that there are no shortcuts walking between vertices of its namesake polygon.

**ANSWER:** triangle inequality

[10] A symmetric positive-definite function which obeys the triangle inequality is called one of these generalizations of distance functions. A set having one of these functions is an eponymous space.

**ANSWER:** metric

- (17) It includes the foreman Tiurin, and the main character gets some of the food after standing in line to get packages for Tsezar. For ten points each:



[10] Name this novel in which the titular Soviet prisoner goes to sleep content after a relatively lucky day.



**ANSWER:** One Day in the Life of Ivan Denisovich

[10] In addition to writing *One Day in the Life of Ivan Denisovich*, this author also wrote about Soviet prison camps in his nonfiction *The Gulag Archipelago*.

**ANSWER:** Aleksandr Solzhenitsyn

[10] Another Solzhenitsyn prisoner novel was this one, which follows the well-fed and decently-employed sharashka zeks through the arrest of Inokentii Volodin and the insubordination of Gleb Nerzhin.

**ANSWER:** The First Circle

- (18) It prevented New England from winning their nineteenth consecutive game. For ten points each:



[10] Name this game in which the Giants defeated the Patriots 17-14 to claim the NFL Championship.



**ANSWER:** Super Bowl XLII or 2008 Super Bowl (prompt on a partial answer)

[10] The MVP of Super Bowl XLII was this Giants quarterback whose older brother Peyton had won the Super Bowl the previous year.

**ANSWER:** Eli Nelson Manning

[10] The cornerstone of the Giants last-minute game-winning touchdown drive was “The Helmet Catch”, a 32-yard pass from Eli Manning to this receiver.

**ANSWER:** David Mikel Tyree

(19) It is currently led by Mahmoud Ahmedinijed. For ten points each:



[10] Name this theocratic nation which, in 1979, saw a hostage crisis take place in its capital of Tehran.



**ANSWER:** Islamic Republic of Iran

[10] The 1979 Iranian Revolution was led by this man, who became the first Supreme Leader.

**ANSWER:** Ayatollah Khomeini (do not prompt on or accept “Khomeini”)

[10] The Iranian Revolution overthrew the shahs of this dynasty. Mohammed Reza Shah was its last monarch.

**ANSWER:** Pahlavi

(20) Twenty-one of these are supposed to be compulsory for Vaisyas, Kshatriyas, and Brahmins. For ten points each:



[10] Name this Hindu ritual which consists of offerings to the sacred fire. One ancient example of it is the Ashvamedha, known as the horse sacrifice.



**ANSWER:** yajna (or yagna or yadna)

[10] The sacred fire represents this Hindu fire deity. He is said to be the messenger since he sends offerings to the gods as smoke.

**ANSWER:** Agni

[10] Ghee, the clarified form of this substance, is the primary offering at a yajna. It is usually derived from milk fat and can be bought in salted and unsalted varieties.

**ANSWER:** butter

(21) Demosthenes rallied this city to a glorious defeat against Phillip II. For ten points each:



[10] Name this city which led the Delian League and fought the Peloponnesian War against Sparta. Pericles was its most famous leader.



**ANSWER:** Athens

[10] This 7th century BC Athenian lawgiver created a code that was notoriously harsh. His name is now associated with cruelty.

**ANSWER:** Draco

[10] This man rewrote the Draconian code in his new 594 BC constitution. He failed to fix the societal problems of Athens, but helped lay the foundations for Athenian democracy.

**ANSWER:** Solon