

## ACF Regionals 2015: A Livable Community

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### Tossups

1. This philosopher proposed that each virtue has five grades of perfection. Before Jerry Fodor was even born, this man wrote that spoken "connotative terms" and "absolute terms" are subordinated under a wordless mental language. This man's view that no property rights existed in the Garden of Eden led to reciprocal accusations of heresy with the Pope. He wrote that eight of Aristotle's ten categories can be defined in terms of just two: substance and quality. This man's *Summa of Logic* argued that universals are only in the mind. In his commentaries on Lombard's *Sentences*, this nominalist stated "Entities should not be multiplied without necessity." For 10 points, name this English friar and Scholastic who names a principle favoring simpler explanations, his namesake "razor." ANSWER: William of Ockham [or William of Occam]

2. Peter Westergaard challenged the traditional view of the primacy of this concept in a 1975 "introduction" to his alternative theory. Edward Aldwell and Carl Schachter wrote an influential textbook on this concept "and voice leading." The most popular textbook on this subject has been through four editions beginning in 1941 and was written by Walter Piston. Novel ideas about inversions and progressions were laid out in a seminal 1722 treatise on this subject written by Jean-Philippe Rameau. This concept is sometimes called "vertical music," in contrast to the "horizontal music" of the melody. For 10 points, give this term for the simultaneous sounding of multiple notes. ANSWER: harmony [prompt on music theory until "music" is read; do not accept "counterpoint"]

3. A ruler of this city tortured prisoners in a cave known as his "ear" and drank himself to death after his play *Ransom of Hector* won a prize. Citizens of this non-Athens city could be banished by a system of votes written on leaves, called petalism. This city's celebration of a festival for Artemis allowed Romans under Marcus Claudius Marcellus to infiltrate and capture it. This city defeated Asdrubal at the Crimissus under the command of Timoleon, decades after beating Carthage at the battle of Himera. Tyrants of this city included Agathocles, Dionysius the Elder, and Hiero II, who legendarily commissioned a resident of this city to build a death ray and a mechanical claw to resist the Romans. For 10 points, name this Sicilian city that was home to Archimedes. ANSWER: Syracuse [or Syrakousai; or Syracusae]

4. Using Lindemann's criterion to calculate this quantity gives a value proportional to the atomic spacing squared times the Debye frequency squared. For nanoparticles or small crystals, this property is dependent on size, per the Gibbs-Thomson equation. This property is higher for neopentane than for n-pentane or isopentane. When measuring this value, which can be done with a Thiele tube or a Fisher-Johns apparatus, more impure compounds will exhibit a larger range. A mixture with the lowest possible value for this measure is eutectic. For a solution, the depression of this value upon increase in concentration is a colligative property. For gallium, it's slightly above room temperature and for water it is 0 degrees Celsius. For 10 points, name this temperature at which solids become liquid. ANSWER: melting point [accept freezing point]

5. In January of this calendar year, Democrats who stayed silent in the House chamber were first counted as present against their will to thwart the "disappearing quorum" tactic. The Supreme Court upheld the Edmunds-Tucker Act in this year, in which delegates went home from the first International Conference of American States in DC. In this year, Herman Hollerith lent punch card readers to the first automatically tabulated U.S. Census, which announced the closure of the frontier. Midterm elections in this year voted out Speaker Thomas Reed's Billion-Dollar Congress, which passed the Sherman Silver Purchase and Anti-Trust Acts in this year. For 10 points, what year of Benjamin Harrison's presidency, in which the Wounded Knee massacre took place, began a so-called "Gay" decade?

ANSWER: 1890 CE

6. This act was performed on Rusticus and Eleutherius at the end of their lives, alongside a member of the Fourteen Holy Helpers. This act gives a descriptive name for a deity sometimes called Ai Apaec, who is usually shown with four fangs, a human head, and a spider or jaguar body on Moche artifacts from Peru. During 3rd century CE persecutions, a victim of this act in Gaul then walked for six miles making a speech about repentance; that legendary survivor of it was Saint Denis, the patron saint of France. In the New Testament, a byproduct of this act was displayed on a silver plate by Herod the Tetrarch in return for the "dance of the seven veils" by his stepdaughter Salome. For 10 points, name this method of execution used to kill John the Baptist.

ANSWER: decapitation [or beheading; or cutting off a person's head; accept word forms; accept Decapitator God; prompt on "killing;" prompt on "execution" until mention]

7. In this poem, a river is personified as a "reverend Sire" wearing a "Mantle hairy" and a "Bonnet sedge." The speaker of this poem mentions animals who are "swoll'n with wind," "rot inwardly," and spread "foul contagion." Part of this poem describes a character who carries "two massy Keyes...of metals twain," the Pilot of the Galilean lake. This poem opens with the speaker telling laurels and myrtles that "I come to pluck your Berries harsh and crude." Scholars of this poem argue over what its "two-handed engine at the door" actually is. Most of this poem is spoken by an "uncouth swain," who instructs "Look homeward Angel" and tells shepherds to "weep no more." This poem is dedicated to Edward King, who died in a shipwreck. For 10 points, name this pastoral elegy by John Milton.

ANSWER: "Lycidas"

8. A 2014 experiment conducted by Gabriela Barreto Lemos used this phenomenon to create images of cats. It occurs when one of the eigenvalues of the joint density matrix's partial transpose is negative, a criterion named for Peres and Horodecki. The entropy of this phenomenon is given by the Von Neumann entropy for one of its reduced density matrices. The CHSH inequality can be used to prove a theorem holding that the effects of this phenomenon cannot be explained by local hidden variable theories, because it violates Bell's inequality. A thought experiment using this phenomenon led to the conclusion that quantum mechanics is an incomplete theory, according to the EPR paradox. For 10 points, name this phenomenon in which the states of two spatially separated particles are intrinsically related.

ANSWER: quantum entanglement [prompt on "spooky action at a distance"]

9. A character created by this man becomes involved with a countess named Agnes, who stops helping him when he becomes older and loses his beauty. After seeing a beautiful wooden Madonna, one of this man's title characters decides to learn woodcarving from Master Nicklaus and goes on to carve his mother before he dies. That young monk created by this man is able to wander for many years because of his apparent immunity to the Black Death. The protagonist of another novel by this man reads a treatise subtitled "Not for Everybody" and attends a ball in a chamber "For Madmen Only!" This author created the musician Pablo and the enticing Hermine, who enter the Magic Theater with Harry Haller. For 10 points, name this author of *Narcissus and Goldmund* and *Steppenwolf*.

ANSWER: Herman Hesse

10. A figure in one of this man's paintings, who may have been modeled on Leonardo's *St. John*, is about to stumble into a brook as another man hangs from a tree in the middle ground. In another work by this artist of *The Peasant and the Birdnester*, a child with a paper crown sits next to a waffle-eating man as others prepare for the cold. That canvas, *Gloomy Day*, is part of a series by this man that includes a painting showing blackbirds perched in the branches of a linear row of four trees leading down a hill. That work of his, which shows villagers playing hockey and ice skating on frozen water in its background, is in his series on the Labours of the Months. For 10 points, name this Flemish artist who showed three men and their dogs trudging home empty-handed in *The Hunters in the Snow*.  
ANSWER: Pieter **Brueghel** the Elder

11. Architect Morris Lapidus designed several hotels in this city in the 1950s, including the Eden Roc and the Fontainebleau. This city was founded on the land of Julia Tuttle, making it the only major American city founded by a woman. The Casa Casuarina and the Delano Hotel are part of this city's Art Deco district. In 2012, artist Red Grooms received criticism for a \$2.5 million animatronic sculpture built in this city, which hosts the annual Calle Ocho Festival. Hialeah is northwest of this city, the world's busiest cruise ship port. This city is home to the Little Haiti neighborhood, and its Venetian Causeway connects it to a namesake beach built on barrier islands in Biscayne Bay. For 10 points, name this home of Little Havana and seat of Dade County, a large city in southeastern Florida.  
ANSWER: **Miami**, Florida [or **Miami** Beach]

12. A man who becomes famous playing this role tries to flee from blinding spotlights and thinks to himself, "What do they want from me? I'm just an actor!" at the end of a film by Istvan Szabo. This character asks, "Who will feed you?" as he is crushed under rocks in a 2011 film that depicts him as a moneylender with a penis on his rear, and which was directed by Alexander Sokurov. This character shatters a mirror, causing the protagonist to become an old man again, in a film in which he is played by Emil Jannings. Andreas Teuber played this role opposite Richard Burton in a film in which Elizabeth Taylor makes a cameo as the shade of Helen of Troy. For 10 points, name this devil who bargains for the soul of the title doctor in F. W. Murnau's *Faust*.  
ANSWER: **Mephistopheles** [or **Mephisto**]

13. One of this author's plays starts in a post office which blames delays on the rain, though in reality an employee is embezzling their money shipments. He wrote a scene in which a man under a porch communicates with a woman sitting above it by pressing her foot to his throat, in a work that features a pine tree and a palm growing from the same shoot. This author of *The Courier for Hell* also wrote a work whose title is a metaphor for buying out a courtesan's contract and which focuses heavily on New Years' traditions. This author of *The Uprooted Pine* wrote of Tokubei and Ohatsu, who go to the Wood of Tenjin to die after finding out they cannot be together. For 10 points, name this prominent creator of bunraku puppet theater, the Japanese playwright of *The Love Suicides at Sonezaki*.  
ANSWER: **Chikamatsu** Monzaemon [or **Sugimori** Nobumori]

14. One ruler of this type only gave a traveler bread, fried meat, and sour milk, and made his court poets wear bird masks. The *Chronicle of the Seeker* follows another of these rulers who killed his mother by accident. One of these men vanished in a "great whirlpool" at sea before the husband of Inare Kunati took this title. The leftmost enthroned man along the bottom of Abraham Cresques's Catalan Atlas held this position. Ibn Battuta saw these leaders' chief interpreter, or *jeli*, a precursor of later oral poets called griots [gree-oh]. Niani was an early capital for these people. al-Sahili designed the mud-brick Sankore university for a ruler of this title who brought dozens of camels loaded with gold through Egypt on his hajj. For 10 points, what leaders, such as Musa, controlled trade through 14<sup>th</sup>-century Timbuktu?  
ANSWER: **mansas** of the Mali Empire [or **emperors** of **Mali**; or **emperors** of the **Mandinka**]

15. Mielikki fashioned one of these animals from wool. One of these animals fathered two giants who were later turned into an eagle owl and a vulture; those twins, Agrius and Oreius, were born after Polyphonte had sex with one. Young girls in saffron robes imitated these animals in a ritual practiced at Brauron. A hero who kills these animals dies fighting the Dark Knight and loves Laimdota in the Latvian epic *Lacplesis*. Twenty cloves of garlic and 100 days in a cave turn one into a human woman in Korean mythology. Arcas was born to a huntress of Artemis who became one of these animals after Zeus seduced her. Japan's Ainu people revere these animals as sacred *kamui*. For 10 points, name this animal which Callisto was turned into before she became the constellation Ursa Major.

ANSWER: bears

16. During this conflict, the newspaper *Atlas* spread rumors about a new weapon called the Boulet Asphyxiant, raising fears that were dispelled by further rumors of MacIntosh's Portable Buoyant Wave Repressor. Pioneering celebrity chef Alexis Soyer designed a "magic stove" for soldiers in this war, which was documented by journalist William Howard Russell and photographer Roger Fenton. In this war, the 93<sup>rd</sup> Highlanders under Colin Campbell stood in a row two-deep to resist a cavalry charge, earning the nickname "Thin Red Line." Miscommunicated orders to Lord Cardigan from Lord Raglan led to a disastrous assault at this war's Battle of Balaclava. For 10 points, name this 19<sup>th</sup> century war that featured the nursing efforts of Florence Nightingale and the Charge of the Light Brigade.

ANSWER: Crimean War [or Easter War of 1853-1856]

17. This economist is the second namesake of social welfare functions in which an individual's utility is based solely on the goods allocated to that individual, and which are contrasted with Arrow social welfare functions. This man argued that one method of producing champagne could be most profitable at both high and low interest rates, but not in between, as part of his reswitching argument during the Cambridge Capital Controversy. He introduced the theory of using what a consumer purchases to infer their utility function; that is revealed preference theory. This economist pioneered using constrained optimization problems to model economic situations in his book *Foundations of Economic Analysis*. For 10 points, name this first American to win the Nobel Prize in Economics, the author of the 1948 textbook *Economics*.

ANSWER: Paul Samuelson

18. This process occurs in the tunica albuginea around the corpora cavernosa in Peyronie's disease. Myofibroblasts contribute to this process when they fail to disappear from granulation tissue via apoptosis. In this process, proteins are oriented parallel to each other rather than being oriented perpendicular to each other in the proper "basket-weave" manner. This process can produce both "hypertrophic" products and keloids. It's not inflammation, but the muscle of the heart undergoes this process after a myocardial infarction, and the tissues of the liver undergo this process in patients with cirrhosis. For 10 points, name this process in which excess connective tissue accumulates in response to events like injuries to the skin.

ANSWER: scarring [or fibrosis; prompt on "wound healing"]

19. This play opens with the funeral of a woman who is referred to as "the last of the Mohicans." In this play, a character enters dragging a pine tree, which she claims to have cut down with her teeth. One of this play's settings is the Diorama Room, which features a tableau of mechanical mannequins and covered wagons. In this play, a speech criticizing change is given by the world's oldest living Bolshevik, Aleksii Antedilluvianovich Prelapsarianov. In this play, the Valium addict Harper daydreams about beings living in the ozone layer and finally leaves Joe Pitt, her Mormon husband. In this play's latter section, *Perestroika*, the ghost of Ethel Rosenberg sings to the lawyer Roy Cohn as he dies of AIDS. For 10 points, name this "Gay Fantasia on National Themes," a play by Tony Kushner.

ANSWER: Angels in America; *A Gay Fantasia on National Themes* [accept *Angels in America, Part I: Millennium Approaches* until "pine" but do not accept thereafter]

20. In machine learning, this term describes a set of methods that allow operation in high-dimensional implicit feature spaces by replacing inner products with other functions that satisfy Mercer's inequality. One example of a set of such functions is the "radial basis function" one of these, which is used in SVM. In mathematics, for an integral transform of a function  $f$ , this is a 2D-function that multiplies  $f$  inside the integral. For a group homomorphism, the first isomorphism theorem guarantees that an object described by this term is a subgroup of the domain group  $G$ . For linear maps, the set described by this term is equivalent to the null space, and is a subspace of the domain whose elements all map to zero in the image. For 10 points, name this term also describing the central program of an operating system.

ANSWER: **kernel**

TB. Because it likes to set itself on fire, one of these objects named Luin is kept in a container of water; that object is stolen after the sons of Tuireann kill King Písear with an apple to the head. Shortly after killing the invisible knight Garlon, a knight of King Arthur finds one of these objects that perpetually drips blood. Pieces from one of these objects were used to heal Telephus after Achilles injured him with it; that example of these objects was made by Chiron from an ash tree. Balin used one of these to deliver the Dolorous Stroke, which maimed the Fisher King and brought a curse upon the Waste Land. Izanagi dripped salt off of one of these objects to create the islands of Japan. A mythical Norse one that never misses is Gungnir. For 10 points, name these long weapons used by Lancelot for jousting.

ANSWER: **spears** [or **lances**; or **javelins**; or **polearms**; accept other similar weapons; accept **Lúin** before "Garlon"]

## Bonuses

1. For waves on a vibrating string, one form of this quantity is given by the square root of tension divided by the linear density of the string. For 10 points each:

[10] Name this quantity, whose "group" type is equal to the partial derivative of the angular frequency with respect to the wavenumber and describes wave envelopes.

ANSWER: velocity [or speed; or group velocity; or group speed]

[10] This quantity through a fluid is equal to the square root of the bulk modulus divided by the density. The ratio of objects' speeds to this quantity is called the Mach number.

ANSWER: speed of sound [or velocity of sound]

[10] These devices that measure fluid flow velocity are useful for measuring an aircraft's Mach number. They use the static pressure of their internal fluids and measure the stagnation pressure in order to determine velocity.

ANSWER: pitot tubes

2. During this nation's independence war, a captured Dutch naval lieutenant named Jan van Speyk threw a lit cigarette at his ship's gunpowder magazine, choosing to blow up the ship rather than surrender. For 10 points each:

[10] Name this country whose neutrality was recognized at London in 1839. That treaty was later called a "scrap of paper" after Britain announced it would protect this country's neutrality by entering World War I against Germany.

ANSWER: Kingdom of Belgium

[10] The Belgian Revolution was sparked by riots following the performance of an opera about this fisherman, who led a revolt against the Spanish rule of Naples in 1647.

ANSWER: Masaniello [or Tommaso Aniello]

[10] Léon Degrelle created Belgium's Rexist Party, which was aligned with the politics of this Christian denomination. This denomination also made up one side of Belgium's School Wars.

ANSWER: Roman Catholicism [prompt on "Christianity"]

3. At the end of this novel, Cleveland Arning dies after being chased off the edge of the Cloud Factory holding a doll filled with diamonds. For 10 points each:

[10] Name this novel centered on Art Bechstein's relationship with his gangster father after graduating college in the title city, which he explores with Phlox Lombardi and Arthur Lecomte.

ANSWER: *The Mysteries of Pittsburgh*

[10] This American author submitted his novel *The Mysteries of Pittsburgh* as his Master's thesis while a student at UC-Irvine. He also wrote *The Amazing Adventures of Kavalier and Klay*.

ANSWER: Michael Chabon ["SHAY"-bahn]

[10] Chabon's novel *The Yiddish Policemen's Union* is set in this territory in an alternate history where a Jewish refuge was set up here and the state of Israel didn't survive.

ANSWER: Alaska Territory [accept Sitka, Alaska; prompt on "United States"]

4. On Lag Ba'Omer, observant Jews create a large one of these to remember the death of Rabbi Shimon Bar Yochai. For 10 points each:

[10] Name this thing. A "strange" variant was made by Aaron's sons Nadab and Abihu before God struck them down, years after Moses saw a miraculous one around a bush in the wilderness.

ANSWER: fire [or flame; or bonfire; prompt on "burning" or "oxidation reaction"]

[10] Jesus used a three-syllable Greco-Aramaic word to denote a cursed valley where the damned face fire after death; that word was adapted into an Arabic term for the fiery, seven-layer hell of Islam. Give either term.

ANSWER: Gehenna OR Jahannam [or Gehanna; or Gehinnom]

[10] This type of Vedic ritual sacrifices an object in a fire representing the tongues of Agni. The Pandavas' mutual wife Draupadi emerged from one.

ANSWER: yajña [or yagna]

5. For 10 points each, answer the following about architects' predilections for various materials and colors.

[10] Philip Johnson liked this material so much he designed for himself a steel-framed personal residence named for it. He was influenced by Ludwig Mies van der Rohe's use of it in the Farnsworth House.

ANSWER: glass [accept Glass House]

[10] Brutalist architecture makes heavy use of this material, deriving its name from a term used by Le Corbusier referring to its "raw" manifestation.

ANSWER: concrete

[10] This architect loves using the color white for the exteriors of his buildings, including Barcelona's Museum of Contemporary Art and New Harmony's Athenaeum.

ANSWER: Richard Meier

6. Answer the following about gases, for 10 points each.

[10] This gas law states that the pressure and volume of a gas are inversely proportional. Its discoverer published *The Skeptical Chymist*.

ANSWER: Boyle's law

[10] When introduced to the ideal gas law, this correction factor decreases the pressure by a factor equal to it multiplied by the number density squared. Its value is dependent on the strength of intermolecular interactions within a gas.

ANSWER: van der Waals a parameter

[10] This other parameter is equal to exactly zero for noble gases argon, krypton, and xenon. Denoted omega, it is equal to the negative log-base-10 reduced-pressure vapor saturation minus 1 at a reduced temperature of 0.7.

ANSWER: Pitzer's acentric factor

7. A novel set during this time period describes Johannes Pinneberg's struggles working at the department store Mandels and his inability to keep a job during a terrible economic crisis. For 10 points each:

[10] Name this government, which is in power during the action of the novel *Little Man, What Now?* The play *I Am A Camera* adapted stories set during this government's tenure by Christopher Isherwood.

ANSWER: Weimar Republic [prompt on "Germany"]

[10] This author wrote *Little Man, What Now?* and a novel in which Otto and Anna Quangel are executed for secretly sending out postcards urging resistance against Hitler, *Every Man Dies Alone*.

ANSWER: Hans Fallada [or Rudolf Ditzen]

[10] Like the Quangels, this teenage author hid from the Gestapo, in her case using the phrase "Dear Kitty" to begin diary entries during the two years she spent living in Amsterdam's Secret Annex.

ANSWER: Annelies Marie "Anne" Frank

8. This couple realized that something was up when their wine pitcher never got any less full, prompting their vain attempt to catch and sacrifice a goose. For 10 points each:

[10] Name this poor couple who unknowingly entertained Zeus and Hermes and who were rewarded for their hospitality by being guardians of Zeus's temple for the rest of their lives.

ANSWER: Baucis AND Philemon [accept both names in either order]

[10] Baucis and Philemon were turned into these things when they died. Other mythological people who turned into these organisms include Daphne and Myrrha.

ANSWER: trees [prompt on "plants"]

[10] World trees such as Yggdrasil often serve as this symbol, which Mircea Eliade identified as both the center of the universe and a link between worlds. Other examples include sacred mountains like Gerizim and Hara Berezaiti.

ANSWER: axis mundi [or world axis]

9. This man included a poem about a farting tree trunk in the Garden of Maecenas that scares off two witches in his *Sermones*. For 10 points each:

[10] Name this author of a Sapphic hymn meant to be performed by a group of youths during a certain festival, the *Carmen Saeculare*. In another poem, he advised Leuconoe to "strain the wine" and not try to ascertain her future.

ANSWER: **Horace** [or Quintus **Horatius** Flaccus]

[10] *Odes* 1.11 coins this Latin phrase, which originally connoted plucking and not seizing. It labels a genre of poems like Herrick's "To the Virgins, to Make Much of Time," which stress the importance of immediate action.

ANSWER: **carpe diem**

[10] Horace smacked down this fellow elegist in *Odes* 1.33, mocking him for losing his lover Glycera. Only two extant books of elegies are attributed this man, who wrote several poems to Delia.

ANSWER: Albius **Tibullus**

10. In the paper "Individual and Mass Behavior in Extreme Situations," this psychologist drew on his time in Buchenwald and Dachau to analyze the effects of Nazi abuse on personality. For 10 points each:

[10] Name this largely-discredited child psychologist who discussed autism in *The Empty Fortress*.

ANSWER: Bruno **Bettelheim**

[10] Bettelheim's book *The Uses of Enchantment* argues for the importance of these stories. Common tropes in them were analyzed by Vladimir Propp, and lots of them were popularized by the Grimm brothers.

ANSWER: **fairy tales** [or **folk tales**; prompt on "myths"]

[10] These brain cells, which activate upon observing other people's movements, have been the focus of recent research on autism and empathy since Bettelheim's "refrigerator mother" theory was discredited.

ANSWER: **mirror neurons**

11. Two examples of these pieces are sometimes called the first and second "Lodron Serenades," and three of them are also known as the "Salzburg Symphonies." For 10 points each:

[10] Name this type of composition exemplified by one of the earliest pieces to experiment with polytonality, *A Musical Joke*.

ANSWER: **divertimenti** [or **divertimentos**]

[10] The aforementioned divertimenti were written by this composer, whose serenades including *Eine kleine Nachtmusik* are frequently paired with them.

ANSWER: Wolfgang Amadeus **Mozart**

[10] Three divertimenti for string quartet were written by this 20<sup>th</sup>-century composer, who set Latin texts alongside poems by Wilfred Owen in his major choral work.

ANSWER: Benjamin **Britten**

12. Defects in the development of cells from this tissue can cause Waardenburg syndrome, Ondine's curse, and Hirschsprung's disease. For 10 points each:

[10] Name this developmental tissue that arises from the ectoderm, and from which cells including odontoblasts, melanocytes, and chromaffin cells originate.

ANSWER: **neural crest** [prompt on **neuroectoderm**]

[10] Earlier in embryonic development, the blastula undergoes this process resulting in the formation of the three germ layers: the endoderm, mesoderm, and ectoderm.

ANSWER: **gastrulation**

[10] The neural crest gives rise to the aorta's cells composing the "smooth" type of this tissue, which also comes in "skeletal" and "cardiac" varieties.

ANSWER: **muscle**



13. This man's brother-in-law Admiral Croft rents Kellynch Hall after Sir Walter finds himself in financial difficulties. For 10 points each:

[10] Name this naval captain who made his fortune in the Napoleonic Wars. He was engaged to Sir Walter's middle daughter until she broke their engagement on the advice of Lady Russell.

ANSWER: Frederick Wentworth [or Frederick Wentworth]

[10] This sensible daughter of Sir Walter spends much of her time looking after her sister Mary Musgrove, a hypochondriac, before she becomes reacquainted with Captain Wentworth.

ANSWER: Anne Elliot [prompt on "Elliot"]

[10] At the end of this author's novel *Persuasion*, Anne Elliot and Frederick Wentworth decide to marry after all. Alasdair McIntyre claimed that this author's *Mansfield Park* exemplifies virtue ethics.

ANSWER: Jane Austen

14. After this man's most famous political action, the Conservative leader Arthur Meighen failed to pass a vote of no-confidence, resulting in the Liberal Party's return to power. For 10 points each:

[10] Name this Governor-General of Canada who refused Prime Minister Mackenzie King's request to call a general election and dissolve Parliament in 1926.

ANSWER: Julian Byng, 1<sup>st</sup> Viscount Byng of Vimy [prompt on "Bungo"]

[10] In a notable exercise of Canada's diplomatic independence, King refused to participate in the Chanak Crisis, a dispute between Britain and this country.

ANSWER: Republic of Turkey [or Türkiye Cumhuriyeti]

[10] King's failure to deal adequately with this global economic crisis was part of the reason for his loss in the 1930 elections to Richard Bennett. It was caused by a stock market crash in 1929.

ANSWER: Great Depression

15. This artist painted a work in which the space of the middle ground is separated into three archways looking out onto a cityscape split by a river. For 10 points each:

[10] Name this painter who showed the Virgin being crowned by an angel as the title Burgundian official kneels in prayer in his *Madonna of Chancellor Rolin*.

ANSWER: Jan van Eyck

[10] Jan van Eyck collaborated with his brother Hubert on this altarpiece whose lower middle panel depicts the Lamb of God surrounded by various clergy and holy men. Its *Just Judges* panel was stolen in 1934.

ANSWER: Ghent Altarpiece [or Adoration of the Mystic Lamb]

[10] In the closed view of the *Ghent Altarpiece*, John the Baptist and John the Evangelist are painted in this technique, which the van Eycks also used for the depictions of Cain and Abel resembling reliefs on the inner panels.

ANSWER: grisaille [prompt on "monochrome," "all gray," or "statue-like"]

16. These features are the main drivers of intraplate volcanism. For 10 points each:

[10] Name these volcanic regions that are caused by mantle plumes. One of them is responsible for the formation of the Hawaiian Islands.

ANSWER: hotspots

[10] The hotspot theory for the origin of the Hawaiian Islands was first proposed by this Canadian geophysicist and geologist. He also names a tectonically-driven cycle for the formation and closing of ocean basins.

ANSWER: John Tuzo Wilson

[10] J. Tuzo Wilson also discovered this type of major plate boundary, examples of which include the San Andreas. They often form a series of short zigzags at mid-ocean ridges to accommodate seafloor spreading.

ANSWER: transform fault [accept conservative plate boundary; prompt on anything mentioning "strike-slip"]

17. This man wrote an essay about those whose disposition leads them to prefer the "known to the unknown," the "tried to the untried," the "actual to the possible," et cetera. For 10 points each:

[10] Name this British author of *On Being Conservative*, who attacked any political view based on societal planning with the label "Rationalism."

ANSWER: Michael **Oakeshott**

[10] Oakeshott disliked this earlier Brit, who is often seen as a father of conservatism. In reaction to violence on the Continent, this man wrote that societies should only change to protect tradition rather than upend it.

ANSWER: Edmund **Burke**

[10] Oakeshott wrote an introduction to this older book by Thomas Hobbes, lauding its view of "civil association." It proposes a covenant to authorize a sovereign with absolute power.

ANSWER: **Leviathan**; *Or, the Matter, Forme, and Power of a Commonwealth Ecclesiasticall and Civil*

18. Answer the following about the archaeological history of early Japan, for 10 points each:

[10] A seven-branched object of this type was gifted to a Yamato ruler by the Korean Baekje kingdom. Their straight *tsurugi* type appears in the record long before the curved *katana*.

ANSWER: **swords** [or **blades**; or **ken**]

[10] Along with corded pottery, large midden mounds of these natural objects are key evidence of Japan's long Neolithic Jomon era. In India and Tibet, large ones called *shankha* are blown to make sacred music.

ANSWER: seashells [or **shell**fish; or clam **shells**; or conch **shells**; prompt on "conch"]

[10] These keyhole-shaped burial mounds lend their name to a subdivision of the Yamato era beginning in the 3rd century CE. Some contain clay sculptures called *haniwa*.

ANSWER: **kofun** [or **Kofun** period]

19. Name some things related to two-time MVP Javale McGee, for 10 points each.

[10] McGee's MVPs were in this commentator's namesake awards for humorously bad plays. This so-called "Big Aristotle," who won three rings with Kobe Bryant on the Lakers, can now be seen on TNT when he's not busy shooting commercials for Buick or Gold Bond.

ANSWER: Shaquille **O'Neal** [or **Shaq**]

[10] McGee was drafted by this team, who traded him to the Denver Nuggets in 2012. In a recent interview, this team's starting center claimed that he has a "black soul" despite being Polish.

ANSWER: **Washington Wizards** [accept either part alone; accept **Wiz**]

[10] After a *Shaqtin' a Fool* appearance in which McGee failed to dribble the ball up the court, Shaq coined this nickname for big men who can't handle the ball, in contrast to a tall but skilled Lakers point guard.

ANSWER: **"Tragic Bronson"** [prompt on partial answer]

20. The Kern-Clifton and Wallace Rolls listed thousands of these people, whose membership status was upheld by the US Supreme Court in the still-controversial *Whitmire* case. For 10 points each:

[10] Name these descendants of people owned by men such as Stand Watie and Joseph Vann. Many were disenfranchised by Ross Swimmer's executive order requiring a CDIB card to vote in their tribe.

ANSWER: **Cherokee freedmen** [or former **Cherokee slaves**; or **black Cherokees**; accept answers such as **Cherokee freedmen** controversy, affair, etc.; prompt on "Cherokees;" prompt on "freedmen"]

[10] The Cherokee freedmen controversy still affects this state, to which most of the Cherokee were forcibly marched in the Trail of Tears.

ANSWER: **Oklahoma**

[10] Many Cherokee freedmen were left off rolls gathered due to this 1887 act, which broke up common reservation land into small allotments, pushing individual natives to farm like whites. The Burke Act amended it.

ANSWER: **Dawes** Severalty Act of 1887 [or **General Allotment** Act]

21. Milton Rokeach conducted a two year experiment in one of these places that resulted in the book *The Three Christs of Ypsilanti*. For 10 points each:

[10] Name these places which were the subject of the Rosenhan experiment, which showed they were easy to get in to but hard to leave.

ANSWER: mental hospitals [or psychiatric hospitals; or insane asylums; or psychiatric wards; or looney bins; accept any answer indicating a facility where mentally ill people are taken upon removal from society]

[10] This psychiatrist controversially argued that very few mental illnesses have a physiological basis, and that psychotherapy should put more emphasis on instilling ethical norms, in his book *The Myth of Mental Illness*.

ANSWER: Thomas Stephen Szasz

[10] Szasz argued that this condition is a moral, rather than medical, issue. Bruce Alexander's Rat Park experiment supposedly disproved that opiates can directly cause this condition, which is characterized by compulsive use of a drug or other stimulus.

ANSWER: addiction [accept word forms; prompt on "dependence" or similar answers]