



1. Constructing this form in Finnish involves using the auxiliary verb "olla" and the participle endings, and in Welsh it is created by adding the letters "as" before another form. Italian uses both "recent" and "remote" versions of this verb form, and in French, it is formed in writing by adding a past participle to forms of "avoir" and "etre." German and French speakers both use an alternative version of this form in which particles from another tense are doubled. In Latin, this verb form is created in the subjunctive by adding "isse" before the personal verb endings, and in the indicative by adding "era" before the personal endings. For 10 points, identify this verb form, a tense or aspect which indicates an action that was completed before another action of the past referenced in the surrounding context, or chronologically before the perfect.

ANSWER: **pluperfect** tense/aspect

019-13-83-11101

2. In this state, Steve Lonegan and Alieta Eck are competing in a Republican primary election. John Hoffman was appointed as this state's Attorney General to replace Jeffrey Chiesa. A senator from this state authored the Ryan White Care Act and introduced the act raising the national drinking age to 21. Barbara Buono is running for the governorship of this state, where gay teenager Tyler Clementi committed suicide in 2011. For 10 points, name this state that was represented by deceased senator Frank Lautenberg, whose seat will be filled in a special election called by Chris Christie.

ANSWER: **New Jersey**

080-13-83-11102

3. One disorder named for this behavior has a variant named for Akira Sato, and is diagnosed using the Rome III criteria; that disorder causes this to occur cyclically. If this behavior produces oxidized products, its products are said to have a coffee-ground appearance. This behavior is induced by stimulation of the area postrema, which comprises the chemoreceptor trigger zone. This behavior is repeatedly self-induced in patients with anorexia nervosa using a hand or finger. For 10 points, name this involuntary action known medically as emesis, in which the contents of the stomach are expelled through the mouth.

ANSWER: **vomiting** [accept **emesis**, **purging**, **throwing up**, etc.]

048-13-83-11103

4. Early in this work, the protagonist detachedly watches an ant caught in a sand trap, and at its ending, the protagonist watches ants crawl over his boot as he puts his foot in their path. In this work, Apolonia, the sister-in-law of the protagonist, becomes despondent after thinking her sister has died in a fire. Juan Tomas warns his brother in this work about the dangers of possessing the title object. The refusal of the doctor of the village of La Paz to treat Coyotito's shoulder, which has been stung by a scorpion, prompts his father to search for a means of paying the doctor. At the end of this novella, Kino returns the title item to the sea. For 10 points, name this novella by John Steinbeck about an object found inside a mollusk.

ANSWER: *The **Pearl***

030-13-83-11104

5. One tradition from this country is the "three-finger salute," an extension of the thumb, index, and middle fingers that is meant to represent patriotism. Villages in this nation hold a tree called the *zapis* holy, while families in this country celebrate their patron saint on Slava. Its third-largest city is served by Constantine the Great Airport, and its namesake language was reformed by Vuk Karadzic. The Morava is a tributary of the Danube in this nation, whose other rivers include the Tisa and Sava. Cities in this nation include Nis and Novi Sad. For 10 points, name this Balkan country from which Kosovo has declared independence.

ANSWER: Republic of **Serbia**

192-13-83-11105

6. A sculpture depicting a black man as an angel was installed in one church in this city, whose firm of Eames and Young built the Lincoln Trust Building. Another structure in this city was attacked by Gilmore D. Clarke as a "fascist symbol" and had its construction delayed by civil rights protester Percy Green, who climbed it and refused to come down. The largest courthouse in the U.S. is in this city, home to a Dankmar Adler co-designed 10-story red brick office building named for a local brewer. This home of Louis Sullivan's Wainwright Building features the tallest man-made monument in the U.S., a structure designed by Eero Saarinen located at the Jefferson National Expansion Memorial. For 10 points, name this city, the site of the Gateway Arch.

ANSWER: **St. Louis**

052-13-83-11106

7. This effect causes the attenuation coefficient to sharply increase in the K edge. This effect is used to measure molecular orbital energies in a type of spectroscopy that uses UV radiation as a source. This effect is combined with secondary emission to detect UV, visible, and near IR radiation with great sensitivity in vacuum tubes named for being a "multiplier" of this effect. The stopping voltage for this effect does not depend on incident intensity. This effect requires a threshold kinetic energy to be met that is equivalent to the work function. For 10 points, name this effect in which an incident photon results in the emission of an electron from a metal surface, described by Einstein in a 1905 paper.

ANSWER: **photoelectric** effect

020-13-83-11107

8. The title character of one of this man's novels is possessed by the Master Spirit and assumes the identity of the dictator Lord Paramount as he leads Great Britain to war against the United States and Germany. This author of *The Autocracy of Mr. Parham* wrote about Teddy Pondervo, who becomes fabulously wealthy from manufacturing the title drug in his novel *Tono-Bungay*. In another of his novels, attackers try to steal Mrs. Elphinstone's carriage as she flees London, and Chief Justice Lord Garrick receives no special treatment following an invasion. The narrator of that novel by this author uses Ogilvy's telescope and examines cylinders at a crash site. For 10 points, name this author of *The War of the Worlds*.

ANSWER: Herbert George **Wells**

030-13-83-11108

9. Married couples during this event could only see each other one night a week because of the "Saturday Night Rule," and unmarried women were told in a song, "don't love boys, love guns!" Edgar Snow detailed this event in a book called *Red Star Over the country* in which it took place. The Fifth Encirclement forced this event, which Otto Braun took part in. The participants of this event defeated warlord forces at the Battle of Luding Bridge and reshuffled their leadership at the Zunyi Conference. This event ended with the union of Red Army units at Shaanxi, thousands of miles away from Jiangxi. For 10 points, name this 1934 to 1935 retreat from the Kuomintang by Communist forces under Mao Zedong.

ANSWER: **Long March** [prompt on answers like **Mao's big retreat**]

020-13-83-11109

10. This god ruled over an age ending with a day-long downpour of fire that killed all mortals except those who transformed into birds. Mortals who died of leprosy and dropsy were not cremated, but buried with small pieces of wood in this god's honor. This god supervised four spirits who watched over the four corners of the universe and smashed open pot-like mountains at the proper time. His consort, who once destroyed the world with a giant flood, was named "She of the jade skirt." This god was honored in the Atlacahualo festival, in which his priests extracted hearts from children sacrificed to him. This god presided over both storms and restoring rain. For 10 points, name this Aztec god of water.

ANSWER: **Tlaloc**

080-13-83-11110

11. Part of this piece is quoted in the "Cortege" of Jacques Ibert's *Divertissement for Chamber Orchestra*. Carl Orff did not come through with a Nazi commission for a replacement score for this work. A parody funeral march comes shortly before its epilogue, which reprises the composer's earlier concert overture on the same subject. This piece contains the songs "Ye Spotted Snakes" and "What hempen homespuns," along with material from its source text, like the fifth act braying of one character and another character's line "If we shadows have offended." The intermezzo between Act IV and V of this work often plays at the end of weddings. For 10 points, the "Wedding March" is part of Mendelssohn's incidental music to what Shakespeare play?

ANSWER: incidental music to A **Midsummer Night's Dream**, Op. 62 [accept the "**Wedding March**" on the first line]

020-13-83-11111

12. CYP2E1 enzyme activity is required for the metabolism of this compound via the MEOS pathway. The proton NMR spectrum of this compound results in a triplet at around 1.2, a quartet at around 3.6, and a singlet at around 5.2. This compound's presence is detected by a color change when it reacts with sulfuric acid and potassium dichromate to form chromium sulfate. A common example of an azeotrope is a solution of 96% of this compound and 4% of water. This compound's namesake dehydrogenase catalyzes the reformation of NADH and the conversion of it into acetaldehyde, resulting in a hangover. For 10 points, name this compound with formula C₂H₅OH, an alcohol.

ANSWER: **ethanol** [or **ethyl alcohol**; or **grain alcohol**; or **drinking alcohol**; prompt on **alcohol** for the sake of this question]

020-13-83-11112

13. In Thucydides' *History of the Peloponnesian War*, Sparta executes every citizen of this city who cannot say what they did to help Sparta in the war. A battle at this place is commemorated by the Serpent Column now located in Istanbul. In a battle at this place, the Athenians under Aristides were able to defeat the Theban phalanx, and a victory swelled Pausanias' ego. The Battle of Mycale took place at the same time as a battle here, in which the Spartan Arimnestus used a rock to kill Mardonius. For 10 points, name this city that was the namesake of the final battle in Xerxes' invasion of Greece.

ANSWER: **Plataea** [or Battle of **Plataea**]

080-13-83-11113

14. With an Italian, this mathematician names the result that the image of a subset of a complex plane under a function with an essential singularity in that subset will be dense in the complex plane. This non-American mathematician partially names a theorem which states that every continuous function on a closed interval can be uniformly approximated, arbitrarily closely, by a polynomial. He is the second namesake of a theorem stating that a bounded and closed subset of \mathbb{R}^n is sequentially compact. He used the concept of uniform convergence to create the rigorous definition of continuity and revised Cauchy's imprecise epsilon-delta definition of a limit. For 10 points, identify this German who names a theorem with Bolzano and discovered a function that is everywhere continuous but nowhere differentiable.

ANSWER: Karl Weierstrass

080-13-83-11114

15. This event was followed by the "hot summer" and a failed Communist coup in November. This event established the Ongoing Revolutionary Process, run by the National Salvation Junta. Beginning on the 25th of April, this event was sparked by the attempted deposition of General Antonio de Spínola. This event's initiators were signaled to begin by the playing of their country's most recent Eurovision entry. Vitor Alves and Otelo Saraiva de Carvalho led the Armed Forces Movement that opposed Marcelo Caetano's government in this event. This event gained its name from the type of flower protestors put in rifles during it. For 10 points, name this 1974 military coup that overthrew the Estado Novo in Portugal.

ANSWER: Carnation Revolution [or Revolution of the Carnations; or Revolução dos Cravos; or 25 April coup before read]

192-13-83-11115

16. This man twice replied, "As the Lord lives, and as you yourself live, I will not leave you" after another man said not to accompany him to Bethel and Jericho. This man turned his servant Gehazi into a leper for accepting gifts from the Syrian general Naaman, whom he told to bathe seven times in the Jordan River. After a widow asked him for help, he multiplied the oil she had into many jars so she could pay her debt. This man responded to boys who mocked his baldness by summoning two she-bears to maul them to death. He asked for "a double-portion of your spirit" on the far bank of the Jordan, where he picked up the mantle of a prophet taken up into the whirlwind. For 10 points, name this disciple and successor of Elijah.

ANSWER: Elisha [do not accept or prompt on "Elijah"]

080-13-83-11116

17. In a museum in this city, one can find a painting in which three miters, representing three refused bishoprics, lie at the feet of St. Bernardino of Siena. Christ wears a half-red, half-blue cloak in one painting of the *Apostolate* series housed in this city. An allegory of a river flowing through this city is seen as a sculpture pouring water in another painting, in which a map of this city is held up by the artist's son and the facade of the Hospital of Don Juan Tavera is presented realistically. Another painting of it emphasizes dark green trees swaying in the wind and contrasts this city's hills with the distorted storm clouds above. For 10 points, name this city, the subject of two views by resident artist El Greco.

ANSWER: Toledo

020-13-83-11117

18. This man addressed Ebenezer Thayer in a set of "instructions" named for his home town. Although his language was not chosen, this man wrote "all men are born equally free and independent" in his draft of Article I of the oldest constitution still in use today. This author of *Thoughts on Government* defended against allegations that the *Liberty*, John Hancock's ship, avoided paying taxes. This author of *Braintree Instructions* also got six British soldiers acquitted for participation in the Boston Massacre. For 10 points, name this lawyer-turned-politician who wrote the Massachusetts state constitution and was elected President in 1796.

ANSWER: John Adams

190-13-83-11118

19. Benjamin Bennett wrote an essay about “interrupted tragedy” in this work, whose textual unity is the central question debated by its scholars. This work’s most difficult section climaxes with one character crashing into Galatea’s chariot. A mysterious voice cries out the word “Redeemed!” as the protagonist of this work unsuccessfully attempts to rescue a woman convicted of infanticide from a dungeon. In a crucial wager, the protagonist bets that he will strive perpetually and never be satisfied. For 10 points, name this drama about a scholar who seduces Gretchen with the aid of Mephistopheles, the magnum opus of Johann Wolfgang von Goethe.

ANSWER: **Faust**

014-13-83-11119

20. This poet asked, "Can't I use my wit as a pitchfork to drive the brute off?" in a poem depicting middle-class work as the title creature. In another poem, he described "a shape less recognizable each week, a purpose more obscure," noting, "I take off my cycle-clips in awkward reverence" upon entering the title location. This poet of "Toads" described "everyone young going down the long slide to happiness, endlessly," in a poem that begins by imagining a girl "taking pills or wearing a diaphragm." His most famous poem concludes by advising, "Get out as early as you can, and don't have any kids yourself." For 10 points, name this gloomy British poet of "Church Going," "High Windows," and "This Be the Verse."

ANSWER: Philip **Larkin**

121-13-83-11120

21. The influential paper *Fundamental Concepts in [these things]* was written by Christopher Strachey. A division used in the definition of these things comes in three primary types: operational, axiomatic, and denotational. These things can have explicit or implicit and static or dynamic type systems. They can implement namespaces to encapsulate items. One category of these things can be viewed as syntactical variations of the lambda calculus. Another category of them typically implements subtype polymorphism and inheritance. Those categories are functional and object-oriented. Compilers work on source code written in one of these things. For 10 points, identify these things that include Java and are used to write programs.

ANSWER: **programming languages** [do not accept or prompt on specific programming paradigms]

066-13-83-11121

22. In this novel, the shopkeeper Maigrat agrees to give up groceries and money in exchange for the soft touches of a woman, and Zacherie carries on an affair with one of the daughters of his family's next-door neighbors, Philomene Levaque. On the protagonist's first day of work, he is inspected by Dansaert and Monsieur Negrel. That protagonist, who was first introduced in the novel *L'Assommoir*, later discusses socialism with Souvarine. This novel opens with a man with lung problems, Vincent Maheu, meeting the eventual lover of his daughter Catherine. For 10 points, name this novel in which a coal miners' strike is led by Etienne Lantier, a work by Emile Zola.

ANSWER: **Germinal**

192-13-83-11122

23. For a brief time, this ruler showed favor towards the Judaizer hersey. Under this man's rule, Vladimir Gusev completed the Sudebnik law code This ruler's general Daniil Kholmisky executed Dmitry Boretsky after decisively defeating that man's forces at the Battle of Shelon. The Great Stand on the Ugra took place following this ruler's refusal to pay tribute to Akhmat Khan, a move symbolizing the end of the Tatar yoke on Moscow. This husband of Zoe Palaeologos conquered the Tver and Novgorod, leading to his reputation as the "gatherer of the Russian lands." For 10 points, name this grand prince of Moscow who ruled from 1462 to 1505.

ANSWER: **Ivan III** [or **Ivan the Great**; or **Ivan Vasilyevich**; or **Ivan Veliky**; prompt on **Ivan**]

141-13-83-11123



1. The Merrimack River rises near this state's city of Franklin. For 10 points each:

[10] Name this state between Maine and Vermont.

ANSWER: New Hampshire

[10] This tallest mountain in the Northeastern United States long held the record for fastest winds measured on Earth's surface. It is part of the Presidential Range in the White Mountains.

ANSWER: Mount Washington

[10] Another feature of the White Mountains was the Old Man of the Mountain, a series of granite outcroppings from this mountain that attracted tourists until its collapse in 2003.

ANSWER: Cannon Mountain

192-13-83-11201

2. The novel this character appears in is narrated by his novice Adso of Melk. For 10 points each:

[10] Name this Franciscan friar tasked with solving a set of murders in a monastery.

ANSWER: William of Baskerville

[10] William of Baskerville appears in *The Name of the Rose*, which was written by this Italian semiotician who also wrote *Foucault's Pendulum*.

ANSWER: Umberto Eco

[10] This other Eco novel centers on Yambo's return to Solara after he suffers amnesia due to a stroke. After discovering his grandfather's copy of the First Folio, he begins to remember his childhood.

ANSWER: *The Mysterious Flame of Queen Loana* [or *La Misteriosa Fiamma della Regina Loana*]

192-13-83-11202

3. George Washington Williams wrote an open letter denouncing activities in this place. For 10 points each:

[10] Name this state that was also the focus of the critiques of E.D. Morel. A "Reform Association" meant to improve this state, which ceased to exist in 1908, was co-founded by Morel and Roger Casement. It was the original state patrolled by the Force Publique.

ANSWER: Congo Free State [prompt on Congo; do not accept "Belgian Congo" or "Democratic Republic of the Congo"]

[10] The Congo Free State was privately controlled by Leopold II, a king of this European country that later annexed the colony.

ANSWER: Kingdom of Belgium [or Royaume de Belgique; or Koninkrijk Belgie]

[10] The Force Publique notoriously had to present to their superiors these objects to prove they had carried out punishments against workers who failed to meet rubber quotas.

ANSWER: hands of victims

052-13-83-11203

4. This man sued Park Benjamin Jr. for libel over claims that his account of the Battle of Lake Erie was inaccurate. For 10 points each:

[10] Name this American author whose "Literary Offenses" were compiled by Mark Twain.

ANSWER: James Fenimore **Cooper**

[10] Cooper is perhaps most famous for writing this novel, one of his "Leatherstocking Tales," in which Uncas and Cora are killed before Hawkeye shoots Magua.

ANSWER: *The **Last of the Mohicans***

[10] In this "Leatherstocking Tale," chronologically last in the series, an elderly Natty Bumppo, referred to only as "the trapper," assists the family of Ishmael Bush threatened by the devilish Tetons.

ANSWER: *The **Prairie***

149-13-83-11204

5. Resolutions passed during this council include *Dei Filius* and *Pastor Aeternus*. For 10 points each:

[10] Name this council convoked in 1869 that laid out the doctrine of papal infallibility.

ANSWER: **First Vatican** Council [or **Vatican I**; prompt on **Vatican**]

[10] The First Vatican Council was called by this longest-reigning pope in history, who was the last leader of the Papal States before their incorporation into the Kingdom of Italy. He also elucidated the doctrine of Immaculate Conception.

ANSWER: **Pius IX** [or Giovanni Maria **Mastai-Ferretti**; prompt on **Pius**]

[10] The pope immediately succeeding Pius IX, Leo XIII, issued this encyclical in 1891. Its subject was the relationship between laborer and employer, supporting the right of workers to form unions.

ANSWER: **Rerum Novarum**

192-13-83-11205

6. These things consists of an electronic circuit whose various components, such as transistors, resistors and capacitors, have been manufactured on the surface of a semiconductor. For 10 points each;

[10] Name these things developed independently by Jack Kilby, in germanium while at Texas Instruments, and Robert Noyce, in silicon while at Fairchild Semiconductor.

ANSWER: monolithic **integrated circuit** [or **IC**; or **integrated chip**; prompt on micro**chip**]

[10] These circuit devices are typically excluded from integrated circuits due to difficulty in making large ones. These devices store energy in a magnetic field that is created when current flows through it.

ANSWER: **inductor** [or **choke**; or **coil**; or **reactor**]

[10] Robert Noyce left Fairchild Semiconductor to found Intel, where Ted Hoff created the first commercially available one of these devices, the 4004, in 1971.

ANSWER: **microprocessor**

066-13-83-11206

7. The first person with this title founded the Tashilhunpo Monastery. For 10 points each:

[10] Name this position whose current holder was discovered by the fifth Reting Rinpoche.

ANSWER: **Dalai Lama**

[10] The Dalai Lama is a position in the Tibetan branch of this religion based on the teachings of Siddhartha Gautama.

ANSWER: **Buddhism**

[10] This sect of Tibetan Buddhists is led by the Dalai Lama and is named for how it distinguishes itself from the Karma-pa sect.

ANSWER: **Yellow Hat** Sect [or **Gelupka**; or **Dge-lugs-pa**]

023-13-83-11207

8. This quantity is found on the x-axis of a chart that has the friction factor and relative pipe roughness on the y-axis. For 10 points each:

[10] Identify this quantity equal to the product of characteristic velocity and length divided by kinematic viscosity.

ANSWER: **Reynolds** number

[10] This type of flow occurs at high values of Reynolds number. It is the opposite of laminar flow.

ANSWER: **turbulent** [or word forms]

[10] That aforementioned chart with the Reynolds number on the x-axis is named for this American engineer. It is usually used to estimate the friction factor.

ANSWER: Lewis Ferry **Moody**

149-13-83-11208

9. This artist depicted a large group of people taking shelter in the Liverpool Street extension in his painting *Tube Shelter Perspective*. For 10 points each:

[10] Name this British artist who was commissioned by the Festival of Britain in 1951 to make the first of his many *Reclining Figures*.

ANSWER: Henry **Moore**

[10] The University of Chicago campus houses this 1967 Moore sculpture, erected for the 25th anniversary of Enrico Fermi's atom-splitting experiment during the Manhattan Project.

ANSWER: **Nuclear Energy**

[10] Many of Moore's sculptures were inspired by the Chac Mool statues produced by the Toltecs and this other Mesoamerican culture at sites like Chichen Itza along the Yucatan Peninsula.

ANSWER: **Maya**

023-13-83-11209

10. *Ginkgo biloba* has properties rarely found in other seed plants. For 10 points each:

[10] *Ginkgo biloba* is the only extant species in division Ginkgophyta, one of four divisions in this group of plants that bear seeds but not flowers. This group also includes conifers and cycads.

ANSWER: **gymnosperms** [or **Gymnospermae**]

[10] Cycads and ginkgo are the only seed plants whose sperm have this property, though this property is also possessed by sperm of mosses, ferns, and animals.

ANSWER: **motility** [or obvious equivalents mentioning that the sperm can **move**; or that they have **flagella**]

[10] Only ginkgo tree and fern leaves display this venation pattern, in which the veins branch out from one another. It is distinguished from reticulated and parallel venation patterns.

ANSWER: **dichotomous** venation

003-13-83-11210

11. The only man to hold this post was known as the "Little Pale Star." For 10 points each:

[10] Name this position whose only holder gave the "Cornerstone Speech" to explain his country's reasons for existence.

ANSWER: **Vice President** of the **Confederate** States of America [or **CSA Vice President**; prompt on **Vice President**]

[10] Confederate VP Alexander Stephens served under this man, a former Secretary of War who became the only Confederate President.

ANSWER: Jefferson Finis **Davis**

[10] Stephens and two other Confederates met on a ship in February 1865 with Abraham Lincoln in this unsuccessful meeting that tried to end the Civil War.

ANSWER: **Hampton Roads** Conference

052-13-83-11211

12. For 10 points each, answer the following about hotels in American literature.

[10] Kent Lansing struggles with architect Howard Roark over the building of the Aquitania Hotel in this novel by Ayn Rand.

ANSWER: *The **Fountainhead***

[10] This man gets in trouble during his time as a Kansas City bellhop in Theodore Dreiser's novel *An American Tragedy*. He later murders Roberta Alden on a lake.

ANSWER: **Clyde** Griffiths [or Clyde **Griffiths**]

[10] This card game is played in the town of Fort Romper, Nebraska by the characters in Stephen Crane's story "The Blue Hotel." A cowboy often whacks the board when he gets a good hand in this game.

ANSWER: "**High-Five**"

104-13-83-11212

13. These people would often pour ice water on a goat and observe its reaction, only proceeding with their job if the animal shivered from the cold. For 10 points each:

[10] Name these priestesses who entered a frenzied state by inhaling vapors emitting from the ground to deliver prophecies guided by Apollo.

ANSWER: Delphic **oracles** [or **pythia**]

[10] The pythia also presided over this artifact, which marks the site at which two eagles sent by Zeus met at the "navel" of the world.

ANSWER: **omphalos**

[10] The temple of Apollo at Delphi was located on the slopes of this mountain, also the home of the Corcyrian nymphs and the Muses.

ANSWER: Mount **Parnassus**

080-13-83-11213

14. Answer the following about seismic waves, for 10 points each.

[10] These seismic waves cannot travel through the liquid outer core, leading to the creation of a shadow zone above 104 degrees from the epicenter.

ANSWER: **s** wave

[10] This notation describes a p wave that passes through the mantle, outer core and inner core, being refracted at each boundary. Unlike the notation used to describe p waves that are reflected by the inner core boundary, it utilizes a large *I*.

ANSWER: **PKIKP** [or **PKP(DF)**]

[10] This female Danish scientist was the first to observe PKIKP waves and used them to posit the existence of the inner core at a depth of approximately 5150 kilometers.

ANSWER: Inge **Lehmann**

066-13-83-11214

15. The sea is a prominent topic in the work of many composers. For 10 points each:

[10] This French Impressionist described the "Play of the Waves" and "Dialogue of the Wind and the Sea" in his orchestral suite *La Mer*. He also composed "Clair de Lune."

ANSWER: Claude **Debussy**

[10] This composer of the massive *Mass of Life* based his composition *Sea Drift* on the poem "Out of the Cradle Endlessly Rocking."

ANSWER: Frederick Theodore Albert **Delius**

[10] A theme from the overture of Mendelssohn's *Calm Sea and Prosperous Voyage* was quoted in this set of fourteen works, which depicts Augustus Jaeger in the "Nimrod" section.

ANSWER: **Enigma Variations** [or **Variations on an Original Theme for Orchestra, Op. 36**]

140-13-83-11215

16. Answer the following about solving equilibrium problems, for 10 points each.

[10] This tool, named for an acronym, is often used to calculate how much of a given reagent or product is present during equilibrium, given the starting amount.

ANSWER: **RICE** chart [or **RICE** diagram; or **ICE** table]

[10] This letter is generally used to symbolize the equilibrium constant for various reactions. It is also the chemical symbol of potassium.

ANSWER: **K**

[10] This other quantity represents the instantaneous progress of a reaction at a given point. If it is greater than K, then the reaction is past equilibrium.

ANSWER: **Q** [or **reaction quotient**]

020-13-83-11216

17. This quantity, multiplied by the money supply, is equal to the price level multiplied by aggregate output. For 10 points each:

[10] Name this quantity that Irving Fisher claimed was constant in the short-run. It represents the number of times a dollar might change hands in the economy.

ANSWER: the **velocity of money** [or the **velocity of circulation**; prompt on **velocity**]

[10] This economist critiqued Fisher, arguing that the velocity of money varied with the interest rate, with the theory of "liquidity preference" found in his *General Theory*.

ANSWER: John Maynard **Keynes**

[10] Along with William Baumol, this economist developed a Keynesian model predicting the number of bank trips a consumer will make per year. His "q" is equal to an asset's market value over its replacement cost.

ANSWER: James **Tobin**

080-13-83-11217

18. This poet quipped that scholars "murder to dissect" in one of his lesser-known poems, "The Tables Turned." For 10 points each:

[10] Name this English Romantic poet better known for writing "Tintern Abbey" and "I Wandered Lonely as a Cloud."

ANSWER: William **Wordsworth**

[10] This Wordsworth sonnet laments that "getting and spending, we lay waste our powers" and concludes by wishing for a sight of "Proteus rising from the sea" or the sound of Triton blowing his "wreathèd horn."

ANSWER: "The **World Is Too Much with Us**"

[10] In Wordsworth's autobiographical epic, *The Prelude*, the lines, "Bliss it was in that dawn to be alive, but to be young was very heaven!" describe Wordsworth's excitement over the beginning of this event.

ANSWER: the **French Revolution** [or obvious equivalents, like the **overthrow** of **French monarchy**; do not accept the "Reign of Terror" or other specific parts of the revolution]

080-13-83-11218

19. Answer these questions about incursions on Flemish autonomy, for 10 points each.

[10] Flanders's army crushed France in this 1302 battle, which is named for objects that the Flemish stole from the French as tokens of victory.

ANSWER: Battle of the **Golden Spurs** [or Battle of **Courtrai**; or Battle of **Kortrijk**]

[10] This French monarch was humiliated at the Battle of the Golden Spurs. He later persecuted the Knights Templar out of existence and feuded with the papacy before its move to Avignon.

ANSWER: **Philip IV** of France [or **Philip the Fair**; or **Philippe le Bel**; or **Philip I of Navarre**; prompt on **Philip**]

[10] Thirty-four years later, England embargoed this product to put pressure on Flemish cities at the start of the Hundred Years' War.

ANSWER: **wool** [do not accept "sheep"]

104-13-83-11219

20. In this novel, the Revolt of the Whores forces La Señora to abandon the title character. For 10 points each:

[10] Name this novel, whose title woman is conceived by Consuelo when she sleeps with an Indian gardener who was bitten by a snake.

ANSWER: **Eva Luna**

[10] This Chilean author of *The House of the Spirits* wrote *Eva Luna*.

ANSWER: Isabel **Allende**

[10] This sometime lover of Eva takes on the name of Comandante Rogelio after becoming a guerilla leader. His associates include El Negro.

ANSWER: **Huberto** Naranjo [or Huberto **Naranjo**]

186-13-83-11220

21. This organization considered introducing Esperanto into the schools of its members. For 10 points each:

[10] Name this organization created in the wake of World War I. While attempting to promote peace, it proved weak and was unable to stop the simmering tensions that created World War II.

ANSWER: **League of Nations**

[10] The second Secretary General of the League of Nations, Joseph Avenol, later wrote a supportive letter to this man, the premier of Vichy France from 1940 to 1944 and one-time hero of World War I.

ANSWER: Henri Philippe Benoni Omer Joseph **Pétain**

[10] This Norwegian explorer worked for the League as a High Commissioner for Refugees, winning the Nobel Prize for his efforts in 1922. He introduced a namesake passport for stateless persons.

ANSWER: Fridtjof **Nansen**

052-13-83-11221