1. This painter taught Gaspard Dughet, who later took his surname. He painted Moses descending with the Ten Commandments in the background as a group of revelers dance around a gilded image in his version of *The Adoration of the Golden Calf*. This painter of *The Funeral of Phocion* created a series of four paintings including *The Earthly Paradise* and *The Flood*, representing the four seasons. A figure in a flowing red robe stands watching at the top left of his depiction of the Rape of the Sabine Women. In one of his paintings, two shepherds point at a tomb inscribed with the title phrase, which is a memento mori. For 10 points, name this French painter of *A Dance to the Music of Time* and *Et in Arcadia Ego*.
ANSWER: Nicolas **Poussin**

024-11-30-14102

2. One section of this work argues technology has turned man into a "prosthetic god" unhappy with life. Another section describes memory with a metaphor of the different archeological layers of modern Rome while discussing a term coined by Romaine Rolland. This work concludes by arguing that the history of mankind will be defined by the eternal struggle between "Eros" and "Thanatos," building on the author's earlier book *The Future of an Illusion*. This work argues "the oceanic feeling" of being in harmony with eternity is the source of religion and cites laws restricting rape as an example of society's repression. For 10 points, name this book arguing man is unhappy because society represses the instincts of the individual, by Sigmund Freud.
ANSWER: *Civilization and Its Discontents* [or Das *Unbehagen in der Kultur*]

109-11-30-14103

3. An enolase specific to these cells is a tumor marker for small cell lung cancer, and the function of these cells is subject to Dale's principle. Specific types of them include Betz cells and Renshaw cells. The Fitzhugh-Nagumo model modifies an earlier mathematical model of their operation, and these cells contain a large quantity of ribosome-rich Nissl substance. The first model of their operation was derived by Hodgkin and Huxley using patch-clamp experiments. These cells, which are often adjacent to oligodendrocytes or Schwann cells, have a hillock between their bodies and a long process that contains nodes of Ranvier known as the axon. For 10 points, name these cells which communicate using action potentials and synapses, the primary cell type of the nervous system.
ANSWER: **neuron**

048-11-30-14104

4. This poet coined the phrase "a sound mind in a sound body." He discussed the measures taken to ensure the safe return of his friend from sea in a poem addressed to Corvinus. He wrote a poem in which a massive fish forces the government to set up a council to debate how to properly cook it. Another of his poems is largely narrated by Umbricius which compares a rural life favorably to an urban one, while another poem warns that even if you lock up your wife, she will simply sleep with the guards as there is no one to guard them. This man's series of sixteen poems in five books coined the phrases "who watches the watchers" and "bread and circuses." For 10 points, name this Roman poet known for his *Satires*.
ANSWER: **Juvenal** [or Decimus Iunius **Iuvenalis**]

015-11-30-14105

5. The author of this work was lambasted as a "piddling genius" in a letter written to General Warren, whose capture weakened its effect. Near the opening of this work, it is stated that "the energy of just and mild government …produced benefits so remarkably important." On its cover page, this work refers to itself as "Humble." Lord Dartmouth tried to present it to its intended recipient without success. This document, addressed to "his most gracious sovereign," was drafted by a group led by John Dickinson at the Second Continental Congress shortly after the Battle of Lexington and Concord. For 10 points, name this last attempt at reconciliation with George III named for a sign of peace.
ANSWER: **Olive Branch Petition**

6. During the three years this composer lived in the United States after World War I, he composed his *Overture on Hebrew Themes*. This composer mocked traditional harmonies in his group of five *Sarcasms* for piano. His first symphony was inspired by his time as the student of Alexander Tcherepnin, and unusually includes a third movement gavotte in homage to late-eighteenth century composers such as Joseph Haydn. Another of his works, a suite originally written as a score for an Alexander Faintsimmer film, features rhythmic sleigh bells in its fourth movement *troika*. This composer of the *Classical Symphony* and the *Lieutenant Kije Suite* also wrote a work for children in which an oboe represents the duck. For 10 points, name this Soviet composer of *Peter and the Wolf*.
ANSWER: Sergei Sergeyevich **Prokofiev**

7. This author wrote about Cash Bentley amusing his neighbors by jumping over their furniture at parties before his wife shoots him in his story "O Youth and Beauty!" In one novel a man moves to Remsen Park to work at a rocket center with his wife Betsey MacCaffery whom he met at a sandwich shop. That novel ends when a character drowns himself because his boat the *SS Topaze* was turned into a gift shop. This author wrote a story about a man who attends the Biswangers' party where he meets his former mistress Shirley Adams, and he wrote a novel about the title family living in St. Botolphs where Aunt Honora presides over her nephews Moses and Coverley. For 10 points, name this author who wrote about Neddy Merrill's journey home through pools in "The Swimmer" and also wrote *The Wapshot Chronicle*.
ANSWER: John **Cheever**

8. A major controversy in this election involved illegal campaign contributions to the winning party coming from the Hsi Lai Buddhist Temple in California. One candidate was lampooned as out of touch for calling the Los Angeles Dodgers the "Brooklyn Dodgers," leading to the zinger "I don't think [he's] too old to be president; it's the age of his ideas that I question." The Republican nominee in this election won the Iowa caucus, but lost the New Hampshire primary to Pat Buchanan and two other primaries to Steve Forbes. The losing candidate's running mate was former Buffalo Bills quarterback Jack Kemp. For 10 points, name this presidential election that saw Bob Dole defeated by Bill Clinton.
ANSWER: Election of **1996**

9. One essay by this author concludes that Fascism's "apotheosis of war" makes politics aesthetic, while communism politicizes art. At his death, this thinker left unfinished a work that considers the culture of the *flaneur*, or stroller, and calls Paris the "capital of the nineteenth century." In another essay, he claims that Paul Klee's *Angelus Novus* depicts the "angel of history." This author of *The Arcades Project* was inspired by his own translations of Baudelaire to write "The Task of the Translator." His best-known essay describes how art has lost its "aura" due to the invention of film. For 10 points, name this Jewish philosopher of the Frankfurt School who penned "The Work of Art in the Age of Mechanical Reproduction."
ANSWER: Walter **Benjamin**

10. The blende of this element is used as a model crystal structure for semiconductors like indium phosphide. In one reaction, this element is used with alpha-halo esters to condense ketones or aldehydes to form beta-hydroxy-esters. When coupled with copper, this element reacts with alkenes to yield a cyclopropane. Those reactions are named for Reformatsky and Simmons-Smith. Found in the ore sphalerite, this element and hydrochloric acid reduce ketones to alkanes in the Clemmensen reduction. In proteins, this element makes "gag-knuckles," "treble-clefs," and other structures known as "fingers." Galvanized steel is coated in this element, and brass is an alloy of copper and this element. For 10 points, name this element with number 30 and symbol Zn.
ANSWER: **zinc** [accept **Zn** before mentioned]

11. The end of this event sparked the formation of the rock band Plastic People of the Universe. A speech by the leader of this movement condemned the broken promises of Klement Gottwald. This event saw the implementation of an "Action Program" which included greater freedom of speech and fewer restrictions on travel outside the country. "The Two Thousand Words" Manifesto was written by Ludvik Vaculik in an attempt to influence elections during this event. During this event, Alexander Dubcek called for greater liberalization of the markets as well as "Socialism with a human face." For 10 points, name period of political liberalization during 1968, centered in the capital of Czechoslovakia.
ANSWER: **Prague Spring**

12. According to one legend from this religion, its founder's eyelids became the first tea plant after he cut them off in anger. A record of the early history of this religion is known as the *Records of the Transmission of the Lamp*. Important figures in this religion's history include Mahakasyapa, who wordlessly understood a sermon. Its major sects include Obaku, Soto, and Rinzai, and its adherents seek Satori. The founder of this religion took a famous journey to the east, where he visited the emperor and spent nine years staring at a cave wall. Bodhidharma's teachings and the "Flower Sermon" are foundational teachings of, for 10 points, what contemplative sect of Buddhism.
ANSWER: **Zen** Buddhism

13. This province's cities of Newcastle and Chatham were merged in 1995 to form a new city named after the Great Miramichi fire of 1825. This province includes an island group at the head of Passamaquoddy Bay that includes Grand Manan and Franklin Roosevelt's summer home of Campobello. Point de Bute and Halls Hill are found near its border with Nova Scotia, while Canada's first university and the "reversing falls" are also found on the major river of this province. For 10 points, the Saint John also hosts the capital, Fredericton, of what eastern Canadian province?
ANSWER: **New Brunswick**

14. The final stanza of one poem by this author remarks on "Ironic points of light" that "flash out wherever the Just exchange their messages." He wrote about a character who "held the proper opinions for the time of year" in a poem that ends, "Had anything been wrong, we certainly would've heard." That poem begins, "He was found by the Bureau of Statistics to be one against whom there was no official complaint" and is titled "The Unknown Citizen." This poet noted how "everything turns away quite leisurely from the disaster" in a poem that begins, "about suffering they were never wrong, the Old Masters." For 10 points, name this poet of "September 1, 1939" and "Musee des Beaux Arts".
ANSWER: Wystan Hugh **Auden**

15. One part of this work depicts an old woman with drooping breasts with her head facing down and is entitled *The Old Courtesan*. A man struggles under the weight of a woman in a part of this work named *I am Beautiful*. This work also includes a depiction of a man who ate the bodies of his own children. Two sculptures which were originally part of this work are one which depicts Francesca and Paolo engaging in the title action and one which depicts a man with his hand underneath his chin. Those sculptures are *The Kiss* and *The Thinker*. For 10 points, name this massive sculpture by Auguste Rodin which was inspired by Dante's *Inferno*.
ANSWER: *The **Gates of Hell*** [or *La **Porte d'Enfer***]

16. One major leader of this group was renowned for his introduction of firing slits for artillery in the best known military formation of this group, a circle of war wagons. Before her capture, Joan of Arc planned to lead a crusade to bring this group back into the fold. A Compacta of reconciliation with this group was settled after their losses at Grotniki and Lipany. The blind general Jan Zizka led this group, which consisted of the radical Taborites and moderate Utraquists. Its formation came with the support of Sophia and her husband King Wenceslaus, who were outraged at the death of its namesake as decreed by the Council of Constance. For 10 points, identify this group that fought the Holy Roman Emperor to avenge the death of a Czech follower of John Wycliffe.
ANSWER: **Hussite**s

17. Synapse formation in this organism may be aided by the 38,000 isoforms of the gene encoding for its DSCAM cell adhesion molecule. A 1971 paper by Konopka and Benzer is about "clock mutants" of this organism. A receptor tyrosine kinase needed for the development of R7 cells in this organism's eye is encoded in the gene *sevenless*. The P element is a transposon found in this organism, which was studied by Alfred Sturtevant and first extensively bred by Charles W. Woodworth. The presence of bar eyes and notches in the wings of this organism are linked traits. For 10 points, name this model organism, a type of fly used in experiments by Thomas Hunt Morgan.
ANSWER: ***Drosophila** melanogaster* [or **fruit fly**; or *D. **melanogaster***]

18. The protagonist of this novel stays with the charcoal burner Marco while staying in the town of Abblasoure in disguise, and earlier he fixes a famous fountain that had gone dry in the Valley of Loneliness. The main character marries Sandy, who names their daughter after the phrase "hello central," and he is a firearms expert who gets hit in the head with a crowbar by his co-worker Hercules. The main character destroys a tower by placing explosive charges in it and erecting a lightning rod. The protagonist of this novel is sentenced to be burned at the stake, but is released after he correctly predicts a solar eclipse in the year 528, much to the chagrin of Merlin. For 10 points, name this Mark Twain novel in which Hank Morgan travels back in time.
ANSWER: *A **Connecticut Yankee in King Arthur's Court***

19. In two-dimensional Poseuille flow, the field describing this quantity takes on a parabolic profile. For a Newtonian fluid, the shear stress is given by the dynamic viscosity times the gradient in this quantity. When the curl of the field representing this quantity is zero, a fluid is called irrotational; that curl is called the voriticity. The no-slip condition defines where this quantity is zero, and the product of this quantity with the characteristic length and the density, divided by viscosity, yields the Reynolds number. In Bernoulli's equation, the square of this quantity balances the pressure integral. For 10 points, identify this quantity which according to Bernoulli's equation, causes a pressure drop in a fluid when it increases, and whose square times the mass gives the kinetic energy of a fluid flow.
ANSWER: fluid **velocity**

043-11-30-14120

20. This figure is the son of the goddess Neith, who gave birth to this figure by spitting, and this figure's name is sometimes wrongly translated as "he who was spat out". This figure's head was made of flint. At certain times, priests in the Temple of Karnak made wax effigies of this figure, and then mutilated them while chanting this figure's secret name in an effort to weaken him. In one famous depiction of this figure, he is being killed with a spear, but he is usually clawed to death when his rival transforms into a cat. This figure lived in the Duat, or underworld, where he was resurrected every night and attempted to destroy a boat carrying the sun before being killed by Seth or Ra. For 10 points, name this god of evil in Egyptian mythology, depicted as a giant snake.
ANSWER: **Apophis** [or **Apep**; or **Apepi**]

021-11-30-14121

21. This man used a televised speech to refer to the Jewish people as "this elite people" following Israel's victory in the Six-Day War. His other speeches included the "Appeal of 18 June" and a controversial declaration of "vive le Quebec libre." This man criticized the static strategy of the Maginot Line in his book *The Army of the Future* and encouraged his countrymen to reject the policies of Philippe Petain, who led the collaborationist Vichy regime in this man's country. For 10 points, name this leader of the Free French during World War II, a general who was also the first president of the Fifth Republic.
ANSWER: Charles **de Gaulle**

081-11-30-14122

22. In one work by this author, the narrator recounts working as a dishwasher in Hotel X with Boris before giving up their jobs to try and find work at the Auberge de Jehan Cottard. Another of his works analyzes the middle class Brooker family before spending several chapters discussing coal miners. That work later poses five reasons why everyone is not a socialist. He recounts a visit to try and free Georges Kopp from prison in non-fiction account of his experience with the Spanish Civil War. He wrote an essay about shooting an elephant as a police officer in Burma. For 10 points, name this author of *Down and Out in Paris and London*, *The Road to Wigan Pier*, and *Homage to Catalonia*, as well as the novel *Animal Farm*.
ANSWER: George **Orwell** [or Eric Arthur **Blair**]

040-11-30-14123

23. For one type of object, this quantity is proportional to the cube of the speed of light and one-fourth the area of the object. For an ideal gas, this property approaches negative infinity as temperature approaches absolute zero, as a consequence of the natural logarithm term in the Sackur-Tetrode equation. In information theory, it is proportional to the sum over all possible values of a random variable of the quantity p sub i times natural log of p sub i. That relation is derived from a similar equation, stating it is proportional to the natural log of the number of microstates of a system, elucidated by Ludwig Boltzmann. For 10 points, name this ever-increasing quantity that measures the amount of disorder in a system.
ANSWER: **entropy** [prompt on **S**]

081-11-30-14124

1. In one poem, he wrote about an animal "burning bright in the forests of the night." For 10 points each:
[10] Name this author who included "The Tyger" in his *Songs of Innocence and Experience*.
ANSWER: William **Blake**
[10] In this poem from *Songs of Innocence*, the narrator notes "he is meek, and he is mild; he became a little child" after asking the title animal "dost thou know who made thee?"
ANSWER: "The **Lamb**"
[10] Blake described this friend of Keats and Shelley as working in a "nest of villains." He wrote about a man who sees an angel writing names in a book of gold in "Abou Ben Adhem."
ANSWER: James Henry Leigh **Hunt**

015-11-30-14201

2. This city was led by Hiero I, and its tyrant Dionysius I made inroads against Carthaginian control, making it the most powerful city in Magna Graecia. For 10 points each:
[10] Name this Sicilian city which hired Archimedes to repulse invasions.
ANSWER: **Syracuse**
[10] After leaving Syracuse, this man noted what a beautiful field he had left the Romans and Carthaginians to fight in. This king of Epirus is better known for his victories at Heraclea and Asculum.
ANSWER: **Pyrrhus** of Epirus
[10] This man seized Syracuse in his war against the second triumvirate. This son of Pompey the Great was finally defeated in 35 BC.
ANSWER: **Sextus** Pompeius Magnus Pius [or **Sextus** Pompey]

015-11-30-14202

3. This element forms clusters with sulfur that are important in redox reactions in the mitochondrial electron transport chain. For 10 points each:
[10] Name this element that forms complexes with oxygen when contained in hemoglobin and myoglobin.
ANSWER: **iron** [or **Fe**]
[10] The protein hepcidin is responsible for controlling the flux of iron out of these cells. In the liver, they are known as Kupffer cells, and other varieties of this immune cell cell includes microglia.
ANSWER: **macrophage**
[10] Recent research suggests that this impediment can be broached by drugs that bind to transferrin receptors. This structure is created by astrocyte foot processes and ensures the integrity of the central nervous system.
ANSWER: **blood brain barrier** [or **BBB**]

066-11-30-14203

4. Name the following people associated with the presidency of Franklin Roosevelt, for 10 points each.
[10] FDR's final vice president, this man succeeded to the presidency following Roosevelt's death. He won reelection in 1948 in an upset of Republican Thomas Dewey.
ANSWER: Harry S. **Truman**
[10] One of FDR's Supreme Court appointments, this Jew became the first appointee to appear at his own confirmation hearing. He voted on the *Brown v. Board* decision and argued against judicial activism in his dissent to *Baker v. Carr*.
ANSWER: Felix **Frankfurter**
[10] This man, the first of FDR's vice presidents, ran against him in what would be FDR's second reelection. Roosevelt then deprived this man of office by choosing Henry Wallace as his new running mate.
ANSWER: John Nance **Garner**

5. This man's successor at the Lyceum was Theophrastus. For 10 points each:
[10] Name this Greek philosopher who was a student of Plato and tutored Alexander the Great.
ANSWER: **Aristotle**
[10] In this work named for his son, Aristotle advocated free will and wrote that people should strike a balance between extremes.
ANSWER: ***Nicomachean Ethics***
[10] In the *Poetics*, Aristotle claimed all art could be described by this word because art is an imitation of the world of ideas.
ANSWER: **mimesis** [or **mimetic**]

6. This king met Francis I at the Field of the Cloth of Gold in 1520. For 10 points each:
[10] Name this monarch who started England's divorce from the Catholic Church by seeking an annulment from his wife Catherine of Aragon.
ANSWER: **Henry VIII**
[10] Henry's Protestant changes were expanded by this son of his, who backed the Book of Common Prayer before dying six years into his reign.
ANSWER: **Edward VI**
[10] Henry's Dissolution of the Monasteries, which was engineered by Thomas Cromwell, was one of the factors that engendered this 1536 Yorkshire rebellion which was led by Thomas Aske and crushed by the Duke of Norfolk.
ANSWER: the **Pilgrimage of Grace**

7. These molecules can be classified according to their denticity. For 10 points each:
[10] Name these molecules which form coordination complexes by binding to metal atoms.
ANSWER: **ligand**s
[10] Ligands can also be classified according to this characteristic, denoted by the Greek letter eta.
ANSWER: **haptic**ity
[10] One common ligand is this ring-shaped compound, which can be formed by the Chichibabin synthesis. It is structural like benzene with one carbon replaced by a nitrogen.
ANSWER: **pyridine**

8. This composer popularized the "prepared piano," in which objects are placed on parts of the piano to affect the way it sounds. For 10 points each:
[10] Name this American composer whose four minutes thirty three seconds consists of a period of silence.
ANSWER: John **Cage**
[10] Cage was a proponent of this movement, characterized by a return to simple accessible music through uncomplicated sounds and melodies.
ANSWER: **minimalism**
[10] Often classified as a minimalist is this American who combined his techniques of voice manipulation and phasing on his piece *Different Trains*.
ANSWER: Steve **Reich**

9. This emperor outlawed the Schmalkaldic League, which he quashed by imprisoning John Frederick, Elector of Saxony, and Philip of Hesse after his victory at Muehlberg. For 10 points each:
[10] Name this Holy Roman Emperor, the son of Philip the Handsome and Joanna the Mad.
ANSWER: **Charles V** [or **Charles I of Spain**; prompt on "Charles"; accept **Karl**; or **Carel**; or **Carlos** for "Charles"]
[10] Charles V convened this Catholic ecumenical council that sparked the Counter-Reformation. Its twenty-five sessions spanned the reigns of Popes Paul III, Julius III, and Pius IV.
ANSWER: Council of **Trent** [or Concilium **Tridentinum**; or Council of **Trento**]
[10] Charles V captured his rival, the French king, at his hunting palace in this 1525 battle during the Italian War. After this battle, Charles forced his captured rival to sign the Treaty of Madrid.
ANSWER: Battle of **Pavia**

10. This figure is introduced in *The Savage Mind*, and his spontaneous actions are characteristic of those consistent with mythological thought. For 10 points each:
[10] Name this figure contrasted with the "engineer."
ANSWER: **bricoleur** [or **bricolage**]
[10] The concept of bricolage was used by this French structuralist anthropologist. This author of *Tristes Tropiques* used the terms "raw" and "cooked" to differentiate nature and culture in *Mythologies*.
ANSWER: Claude **Levi-Strauss**
[10] This Levi-Strauss work challenged Radcliffe-Brown's notions of family by arguing that the title concept of this work was based more on alliance than descent.
ANSWER: *The **Elementary Structures of Kinship***

11. The legendary founder of this dynasty was a Varangian prince who was invited by the people of Novgorod to rule the city. For 10 points each:
[10] Name this dynasty which included Vladimir the Great, who baptized all of Kievan Rus.
ANSWER: **Rurik**id dynasty
[10] This 16th century leader, the first to be crowned Tsar of All Russia, was descended from the Rurikid line. He was forced to pass the throne to his feebleminded son Feodor I after killing his namesake son.
ANSWER: **Ivan Grozny** [or **Ivan the Terrible**; or **Ivan IV**; prompt on **Ivan**]
[10] The first Ivan to rule Moscow acquired this byname after collecting the thrones of other cities as collateral on defaulted loans.
ANSWER: "**moneybag**s" [or **Kalita**]

12. The wings this man designed for his son Icarus failed when they were melted by the sun's rays. For 10 points each:
[10] Name this inventor of the Labyrinth from Greek mythology.
ANSWER: **Daedalus**
[10] Daedalus also constructed a wooden cow that this wife of King Minos could copulate with.
ANSWER: **Pasiphae**
[10] In one story, this nephew of Daedalus invented the saw, causing Daedalus to jealously push him off of a tower.
ANSWER: **Perdix** [or **Talos**]

13. Aldo Leopold wrote about deer herds living in mortal fear of these creatures, much like a mountain lives in mortal fear of deer. For 10 points each:
[10] Name these apex predators, canines which share a common ancestry with dogs.
ANSWER: **wolves**
[10] These events occur when apex predators are removed or added to an ecosystem and is often conceptualized as carnivores indirectly having a positive effect on primary production by eating herbivores. The defoliation of vast tracks of land by deer when gray wolves were removed is a salient example.
ANSWER: **trophic cascade**
[10] Robert T Paine coined the term trophic cascade, as well as this term, which denotes an organism whose removal has an disproportionate effect compared to their biomass. A classic example is the removal of sea otters along the California cost which lead to an increase in sea urchin population.
ANSWER: **keystone** species

14. The Putumayo River is the northernmost point of this country. For 10 points each:
[10] Name this South American country, which is the location of the source of the Amazon.
ANSWER: Republic of **Peru**
[10] Peru shares with Bolivia this enormous plateau, which is the site of Bolivia's city of La Paz as well as Lake Titicaca.
ANSWER: the **Altiplano**
[10] This second largest city in Peru is known as "The White City" because many of its buildings were constructed from sillar. It is located in its namesake southern province near the volcano Pichu Pichu.
ANSWER: **Arequipa**

15. Characters in this novel include the protagonist's friend W.S.B., a French warden named Apollyon, and a fellow prisoner named Rockyfeller. For 10 points each:
[10] Name this World War One novel set in the French prison of La Ferte.
ANSWER: *The **Enormous Room***
[10] *The Enormous Room* is a novel by this American poet of "anyone lived in a pretty how town" who was known for his unorthodox capitalization.
ANSWER: Edward Estlin **Cummings**
[10] Cummings wrote a poem about this figure that begins by describing his "defunct who used to ride a watermelon-silver stallion" and ends by asking "how do you like your blueeyed boy Mister Death?"
ANSWER: **Buffalo Bill**

16. The title character of one opera by this man repeats his name three times in the aria *Largo al factotum*. For 10 points each:
[10] Name this Italian composer of *The Barber of Seville* and *William Tell*.
ANSWER: Gioachino **Rossini**
[10] In this Rossini opera, Angelina is forced to serve as a maid for her stepfather Don Magnifico and her two step sisters Clorinda and Tisbe.
ANSWER: *La **Cenerentola*** [or ***Cinderella***]
[10] In *La Cenerentola*, Angelina falls in love with this prince, who disguises himself as his valet Dandini to observe her.
ANSWER: Prince **Ramiro**

17. The title character has a vision of the only person he killed, Margaret Whitehead, rising from a burning field. For 10 points each:
[10] Name this novel whose title character tells his story to the lawyer Thomas Gray and reminisces about living on Joseph Travis's farm while imprisoned in a jail cell.
ANSWER: *The **Confessions of Nat Turner***
[10] This American author of *The Confessions of Nat Turner* wrote about the title lover of Nathan Landau who survived Nazi concentration camps in *Sophie's Choice* .
ANSWER: William **Styron**
[10] *The Confessions of Nat Turner* was criticized by many black writers for its controversial depiction of slavery, but was defended by this African-American author who wrote *Shadow and Act* and *Invisible Man*.
ANSWER: Ralph **Ellison**

18. This figure took into his own hands the annual rampage of the fairy Aillen, who burnt everything in Tara down. For 10 points each:
[10] Identify this figure whose father was killed by GollMacMorna years before he burnt his thumb cooking the Salmon of Knowledge.
ANSWER: **Fionn mac Cumhaill** [pronounced "Finn McCool"]
[10] The stories of Fionn are told in this verse and prose work that ends with the Battle of Cath Gabhra, which is survived only by Oisin and Fionn's nephew Cailte.
ANSWER: *Fenian Cycle* [or *an **Fhiannaíocht***; or *Fianna Cycle*; prompt on **Fionn Cycle**; prompt on **Oisin Cycle**]
[10] The *Fenian Cycle* also tells of this warrior with a "love spot" that enchanted all women who look at it, such as Gráinne, who became this figure's lover even though she was Fionn's bride-to-be.
ANSWER: **Diarmuid** Ua Duibhne [or **Diarmid** O'Dyna; or **Diarmid** of the Love Spot]

19. The cook Christine reveals that the title character scared off her fiancée by forcing him to jump with a riding whip. For 10 points each:
[10] Name this play ending when the valet Jean hands the title character a razor to commit suicide with after they lose the courage to elope when they hear a bell announcing The Count's return.
ANSWER: *Miss Julie*
[10] *Miss Julie* is a play by this Swedish dramatist who also wrote the novel *The Red Room*.
ANSWER: August **Strindberg**
[10] In this Strindberg play, the student Arkenholz explores a mysterious apartment building where he encounters a mummy in the closet and has a recurring vision of the milkmaid.
ANSWER: *The **Ghost Sonata***

20. In electrostatics, this quantity has a non-zero curl. For 10 points each:
[10] Name this quantity whose curl is proportional to the negative change in magnetic flux. Symbolized E, multiplying it by charge gives force in Coulomb's law.
ANSWER: **electric field**
[10] This quantity is defined as the vacuum permittivity multiplied by the electric field plus the polarization density. It is useful for calculating the electric fields in dielectric materials. Unlike electric field it has a non-zero curl. A similarly named current was added by Maxwell to fix Ampere's law.
ANSWER: electric **displacement field** [prompt on "displacement"]
[10] The electric displacement field takes into account these sorts of charges in a material. These sorts of states generally occur when the energy of a system is negative, and polarization of a material rearranges these charges.
ANSWER: **bound**

21. Entropy is the negative derivative of this type of free energy with respect to temperature at constant volume and particle number. For 10 points each:
[10] Name this quantity that is also the difference of internal energy and temperature times entropy.
ANSWER: **Helmholtz free energy** [prompt on "free energy"]
[10] This function, symbolized Z, is the sum over all states of their corresponding Boltzmann factors.
ANSWER: **partition function**
[10] This is a statistical ensemble such that all systems in the ensemble are at the same energy so the systems are isolated.
ANSWER: **microcanonical** ensemble