

ACF Nationals 2016

Packet by Penn (Eric Mukherjee, Jaimie Carlson, JinAh Kim) and Oklahoma (Caleb Kendrick, Maia Karpovich, Finn Bender, Tracey Hickman, Sam Emmerson)

Tossups

1. This leader came to prominence when he gained a job as a postal clerk and founded the Postal Workers Union after being expelled from technical school. After organizing a referendum, this man famously told another leader that “our country prefers poverty in freedom to riches in slavery.” Many of this leader’s political opponents were put on “the black diet,” which meant they were killed by starvation while imprisoned at Camp Boiro. This leader’s nation was invaded in Operation Green Sea, which tried to overthrow his regime and kill the revolutionary Amílcar Cabral. This man, popularly nicknamed “the Elephant,” outlawed all political parties except his own PDG, and he was deposed by a junta led by Colonel Lansana Conté. This leader gave asylum to Stokely Carmichael, and offered the presidency of his nation to Kwame Nkrumah. For 10 points, name this first president of an independent Guinea, who took his name from the Mandinka king Samori.

ANSWER: Ahmed Sékou Touré [or Ahmed Sheku Turay]

2. In a novel with a scene set in this place, the protagonist is placed on a cross and nearly dies until wind blows him into a river; but when the protagonist is about to be burned at the stake, miraculous waves douse the flames. A poem whose final book is set at this place describes its protagonist almost being murdered by the slave Ganymedes. Habrocomes and Anthia are sent from their homeland to this place in a so-called “ancient penny-dreadful” called *An Ephesian Tale*. In a poem, the drug *nepenthe*, which induces forgetfulness, is from this place and is given by Polydamna to Helen of Troy while she is staying here. Lucius dreams that he will eat a crown of roses and join the cult of a goddess from this ancient country in Apuleius’s *The Golden Ass*. Literature from here was often written in Demotic script. For 10 points, name this ancient country, whose own literature uses hieroglyphics.

ANSWER: Egypt or Egyptus

3. A text central to this movement describes how God descended into the body of a dead man and walked the Earth as Elijah. That text from this movement praises Henrietta Davis and Robert Poston as God’s “Holy Trinity.” That book by Robert Rogers started a predecessor to this movement sometimes known as the House of Athly. A woman who was part of this movement wrote a memoir claiming to have seen the stigmata on the hand of a man who landed at Palisadoes Airport. That event is celebrated as part of this movement’s Grounation Day, and is only second to November 2nd, or Coronation Day, in terms of its important holidays. *The Holy Piby* and the *Kebra Negast* are sacred texts of this movement, whose members practice a diet called *I-tal* and oftentimes grow dreadlocks. For 10 points, name this religion that venerates Haile Selassie and is popular in Jamaica.

ANSWER: Rastafari Movement [or Rastafarianism; before "Athly" accept Afro-Athlican Constructive Gaathly or the Hamatic Church or House of Athly]

4. In 1983, Monique Peytral created an exact replica of this location. Michael Rappenglueck suggested that paintings in this location depicting a box followed by thirteen circles and a row of 29 similar dots are both intended to represent phases of the moon. This complex's nave contains a scene showing a pair of animals whose "crossed" legs indicate a depiction of perspective. Despite depicting a creature with two horns, one painting in this place is known as the "The Unicorn." A man with a bird-shaped head is depicted lying prone next to a staff topped with a bird head in a scene in its "Shaft of the Dead Man," while its "Axial Gallery" contains a massive painting known as the "Great Black Bull." Pablo Picasso declared "we have learned nothing in twelve thousand years" after visiting this complex, which contains the "Chamber of Felines" and the "Great Hall of Bulls." For 10 points, name this cave complex in Southern France filled with paintings from the Paleolithic period.

ANSWER: **Lascaux** Caves

5. The problem of having an infinite number of expansion coefficients when using this technique is ameliorated by the existence of the representer theorem. Epsilon-insensitive loss is used as an error measure when performing regression analysis with this technique. John Platt's sequential minimal optimization algorithm speeds up the initial quadratic programming optimization required to use this technique. The appropriate selection of a good kernel and good kernel parameters are necessary to get good results when using this technique. The hinge-loss function is used in "soft" versions of this technique in which data is not linearly separable. For a space of n-dimensional points, this technique selects the n minus 1 dimensional hyperplane with the biggest margin between the data on each side. For 10 points, name this supervised machine-learning technique that non-probabilistically classifies data into two categories.

ANSWER: **support vector machines** [or **SVMs** or **support vector regression** or **SVR**; prompt on classification or word forms]

6. Composer and genre required. These pieces are said to employ the "principle of open ends," or the "principle of jig-saw," in the influential 1948 "companion to" them written by Arthur Hutchings. Two of them end not with the usual rondo but with a theme and variations—the latter of those two features the soloist interrupting the *tutti* in the last movement with a series of sixteenth notes and is in C minor. The only movement their composer ever wrote in F sharp minor appears in the 6/8 Adagio second movement in one of these pieces. The penultimate one of them, in D major, originally lacked tempo markings in its final two movements and featured many stretches where nothing at all was written for the soloist's left hand. The F major Andante second movement of the 21st of these pieces featured prominently in the Swedish film *Elvira Madigan*. The "Coronation" and "Jeunehomme" are examples of, for 10 points, what works for keyboard soloist and orchestra by the composer of the *Jupiter Symphony*?

ANSWER: Wolfgang Amadeus **Mozart's piano concertos** [prompt on partial answer]

7. One politician of this surname had a brother who mounted a camera belonging to Bob Inman on his den wall, after it was left behind when a helicopter crashed in his front yard trying to gain footage for an attack ad. A female politician with this surname was succeeded by Albert Brewer after she died of uterine cancer. In various speeches, a man of this surname blasted “pointy-headed intellectuals who can’t park their bicycles straight” and claimed that the only four-letter words hippies didn’t know were “soap” and “work.” The so-called “guru letters” revealed that a man of this surname corresponded with the theosophist mystic Nicholas Roerich. That man with this surname gave the “Century of the Common Man” speech, and attained his highest post by succeeding a man called “Cactus Jack.” That man was also shot in Laurel, Maryland by Arthur Bremer and was the American Independent Party candidate in 1968. For 10 points, give this surname of was a longtime governor of Alabama that supported segregation.

ANSWER: **Wallace** [or George **Wallace**; or Henry Agard **Wallace**; or Lurleen **Wallace**]

8. Sub-two-micron ethylene-bridged hybrid particles are used in Waters’ “Ultra” variant of this technique. Either PAGE, desalting, cartridge purification or *this procedure* is used to remove incorrect products after oligonucleotide synthesis. Injection delay can be used to compensate for an increase in the dwell volume when changing devices for this procedure. Changes in dielectric constant, density, or refractive index are used in “bulk property” detectors for this technique. Adding trimethylsilyl groups to free silanol groups in this technique is one method of preventing peak tailing. The solvent composition in this technique is constant in the isocratic flow mode. This technique often uses a packed bed of micron-scale particles with a mobile phase pumped through at up to 600 atmospheres. For 10 points, name this form of column chromatography which uses solvents under high pressure.

ANSWER: **HPLC** [or **High Performance Liquid Chromatography**, prompt on “liquid chromatography” or “LC” or “column chromatography” or “chromatography”]

9. The writing of this novel, as well as the history that inspired it, were fictionalized in Emma Tennant's novel *Felony*. The previous failures of John Cumnor inspire the protagonist of this story, who is assisted by Mrs. Prest. The assertion “We are divided of course between liking to feel the past strange and liking to feel it familiar” appears in the preface to this novella, which opens Volume 12 of the *New York Editions* and describes how it was inspired by Augustus Silsbee and Claire Clairmont. At this story’s end, the narrator sends payment for a miniature portrait to Miss Tita, who earlier horrified him with the revelation that she burned the title objects. This novella’s narrator is dubbed a “publishing scoundrel” after he sneaks into Juliana Bordereau's room to search her desk for the title objects. For 10 points, name this Henry James novella whose narrator is obsessed with finding the title poet’s correspondence.

ANSWER: *The **Aspern Papers***

10. According to Spanish folklore, a woman bet the devil her soul that he could not build this type of object in one night; luckily for her, the cockerel crowed at dawn just before he finished. One of these named for Bukka, a ruler of the Vijayanagara Empire, is located in modern Hampi. David Johnson theorized that the Nazca lines are actually maps to Incan types of these objects, called Puquios. The *chorobates* and *groma* were used to keep these structures level. One of these called the Grey Falcon, or Bozdogan Kemerli, is named for the Emperor Valens and located in Constantinople. Vitruvius observed that these structures should be gradually sloped instead of using an elbow, and suggested using earthen instead of lead construction for them. Calcium carbonate often accreted on these structures, which include the Segovian one and the Pont du Gard. For 10 points, name these arched Roman water-carrying structures.

ANSWER: aqueducts

11. A series of quantities in this result can be obtained from time correlation functions using the Yamamoto-Zwanzig formulas. This result holds when the system's rate of entropy production is at an extremum at the stationary state. An assumption in the derivation of this result is that macroscopic perturbations of the system decay in the same way as microscopic thermal fluctuations, which is its namesake's regression hypothesis. This result, which only applies when the linear approximation holds, states that the matrix of kinetic coefficients is positive-definite and symmetric for systems with time-reversal symmetry. One of the consequences of this result is that the coefficients of the Peltier and Seebeck effects are equal. For 10 points, name these set of statements, sometimes called the 4th law of thermodynamics, that relate forces and flows in reversible non-equilibrium processes, and are named for a Norwegian.

ANSWER: Onsager reciprocal relations

12. One ruler of this name allegedly flew into a rage after his general unilaterally agreed to neutralize his army at the Convention of Tauroggen, though he later ratified the decision of that general, Hans-David Yorck. Another king by this name was forced by France to sign the Treaty of Saint-Germain-en-Laye, giving up the territory he won at the Battle of Fehrbellin during the Scanian War. That ruler tried to push the Swedes out of his country in the Great Sleigh Drive. Another ruler with this name created a regiment of tall grenadiers known as the "Potsdam Giants," and forced his son to watch the beheading of his friend Hans von Katte, after that son of his tried to flee to Great Britain. The final king of this name declared "I cannot pick up a crown from the gutter" during the Frankfurt Parliament, where he rejected the title "Emperor of Germany." For 10 points, give this name shared by "the Soldier King" and three other kings of Prussia.

ANSWER: Frederick William [or Friedrich Wilhelm, do not accept or prompt on Frederick; do not accept or prompt on William]

13. This man appears as a rotund figure in a green bathrobe swatting wildly with backwards-facing hands and standing next to a woman throwing her arm over her face and holding an upside-down bouquet in a painting by Stanley Spencer. He kneels in a rocky landscape, gazing up at a barefoot woman in a black smock who points at a crucifix, in a depiction of him “marrying poverty” by Andrea Sacchi. In another work, a dream sequence shows him pushing up a collapsing building while a pope sleeps in a red-covered bed; above that predella, he stands at the base of a cliff underneath a flying Christ against a gold background. Another work by Cimabue shows him “with four angels,” surrounded by a golden halo and dressed in a plain robe, while Giotto depicted this man giving away his mantle and receiving stigmata in a chapel named for him. For 10 points, name this saint from Assisi, who was often depicted preaching to the birds.

ANSWER: St. **Francis** of Assisi [or Giovanni (di Pietro) **di Bernardone**]

14. In an experiment with Albert Pepitone and Thomas Newcomb, this man gave subjects a falsified study saying that most college students hated their parents, causing people in the group to feel safer talking about parental issues – that study coined the term later used by Philip Zimbardo, deindividuation. In another work, he interviewed a “connoiter” who claimed to remember the day she was conceived and who stated that atomic bombs had broken the sonic barrier. Along with that work discussing such individuals as Edna Post and Dr. Armstrong, this psychologist observed that people cease comparing themselves to others with dissimilar skill levels in “A Theory of Social Comparison Processes.” He also devised a boring peg-turning task for which participants were paid either 1 or 20 dollars. Along with Riecken and Schachter, he wrote about Marion Keech, the leader of a doomsday cult. For 10 points, name this author of *When Prophecy Fails* who pioneered cognitive dissonance theory.

ANSWER: Leon **Festinger**

15. J. Yellowlees Douglass’ analysis of Stuart Moulthrop’s *Victory Garden* suggests that “readers must supply” their own variety of this concept. Peter Rabinowitz classifies varieties of this concept as “inertial” or “non-inertial” depending upon expectations in an article about its effects as a “Disruptive Source.” This entity is said to “make possible a satisfying consonance with” the rest of the work in which it appears, and thus give “meaning to lives and to poems,” according to a book by Frank Kermode. A character lives under the name of Mrs. Roughwood and poses for Dante Gabriel Rossetti at the beginning of two examples of this narrative element used by John Fowles in *The French Lieutenant’s Woman*. This is the fifth and final component of Freytag’s pyramid, which places it after the falling action. A *deus ex machina* is one form of providing, for 10 points, what resolutions, which for a fairy-tale might include “They lived happily ever after.”?

ANSWER: **endings** [accept sense of an **ending**; accept **denouement**; accept **resolution** until it is mentioned]

16. As a child, this character is successively found fishing from a cloud, raking the coals of a pyre with a copper rod, and hanging in the branches of a tree carving and painting pictures. After this man kills a baby he is supposed to be watching, he builds a fence with no gate that reaches the sky and threshes grain into powder, prompting his adoptive father to sell him. This character is sent to herd cows with a loaf of bread filled with rocks; when the rocks break his knife, he turns the cows into bears and they maul the Maid of Rainbows. Later, he encounters a maiden wearing snowshoes and seduces her, only to later realize that she was his long-lost sister. This man receives a broadsword from Ukko that he uses to murder the tribe of Untamo, thus avenging his family, before falling on it himself. His death is followed by a warning from Vainamoinen to treat children well. For 10 points, name this tragic figure from the *Kalevala*.

ANSWER: **Kullervo** [or **Kullerwoinen**]

17. A war by this name started when the rebel leader Longinus of Cardala was exiled, and was joined by a bishop named Conon—that rebellion was squashed by two generals John Gibbo, aka John the Hunchback, and John the Scythian. A dynasty by this name included a ruler who divorced his wife Mary of Amnia and sent her to a nunnery, after which he used the Abbot Joseph to marry his mistress, in an episode called the “Moechian Controversy,” which prompted a revolt against him by Theodore the Studite. This term names a war in 492 CE fought off by the Emperor Anastasius I, and a dynasty whose founder won the Battle of Akroinon and issued the Ecloga law code. That dynasty’s history was chronicled by Theophanes the Confessor, and included a ruler who allegedly defecated in his baptismal font, earning the cognomen “Copronymus.” For 10 points, name this Byzantine dynasty which included Empress Irene and the iconoclastic Leo III.

ANSWER: **Isaurian** [or **Isauria**; the **Isaurian** War or **Isaurian** Dynasty]

18. A character who appears in this collection revels in delivering the snarky response “I don't think that that's a fair question to put to me” after spending a day contemplating the incomplete phrase “In no case shall the said Bernard Bodley be.” A story in this collection is about a man who pawns his watch-chain for drinking money and tells his friends about standing up to his boss Mr. Alleyne, but eventually loses an arm-wrestling contest, goes home, and beats his son. The Hungarian pianist Villona opens a door and announces “Daybreak, gentlemen!” at the end of a story from this collection whose protagonist initially appears in the company of Charles Segouin and later loses vast sums playing cards on Farley’s yacht. Its third story centers on the dissolute Jimmy Doyle and opens with flashy cars driving towards Inchicore. For 10 points, name this collection that includes “Counterparts” and “After the Race,” as well as “Araby” and “The Dead,” and is by James Joyce.

ANSWER: **Dubliners**

19. A peptide inhibitor of Src is derived from the alpha-one subunit of this protein. One inhibitor of this protein is derived from the seeds of *Strophanthus gratus*. The crystal structure of this protein was found by binding it to two rubidium atoms, and in the kidney this protein is often bound to FXD1. One drug that inhibits this protein causes a characteristic “PAT with a block” finding on overdose, and overdoses of that drug that inhibits this protein are treated with Fab fragments. This protein is closely homologous to the SERCA protein, which makes sense because they’re both of the P-type. Ouabain and digoxin both inhibit this protein, which was originally characterized by Jens Skou. For 10 points, name this protein that consumes most of the ATP in the brain, and that is responsible for maintaining the resting potential by actively transporting a pair of cations against each other.

ANSWER: Na/K+ pump or ATPase [or sodium-potassium pump or ATPase]

20. Brian Massumi’s *Parables of the Virtual* uses this man’s conception of the “real and abstract” to show that society creates a “nature-culture continuum.” This author borrowed Marcel Proust’s line “real, but not actual, ideal but not abstract” to formulate his concept of the “virtual,” which are the “pre-subjects” and “pre-objects” to subjects and objects. This thinker argued that Einstein’s relativity was based on Reimann’s conception of multiplicity, and not Henri Bergson’s conception, in a book that rehabilitated Bergson’s reputation called *Bergsonism*. With a psychiatrist, this philosopher noted that sexuality is everywhere: “the bureaucrat fondles his papers, and the bourgeoisie fucks the proletariat,” which inspired his use of schizoanalysis. This author coined the term “body without organs” in a book written with Felix Guattari. For 10 points, name this post-structuralist philosopher of *Capitalism and Schizophrenia*.

ANSWER: Gilles Deleuze

Tiebreaker. In an episode from this novel, a character dressed in a Hawaiian costume reads aloud article about a party thrown at No. 10 Downing Street the previous night before realizing that she is addressing the Prime Minister’s family at breakfast. This novel ends with the central character drinking champagne in the middle of a battlefield with Chastity, a former member of a troupe of angels led by Mrs. Ape, and a “Drunken Major” whom he had once given a thousand pounds to bet on the horse Indian Runner. This novel’s central character invents fictional socialites such as Imogen Quest, all of whom wear bottle-green bowler hats. After drunkenly crashing a racecar, Agatha Runcible is placed in a nursing home in this novel, whose central character loses his job as “Mr. Chatterbox” to Miles Malpractice. Nina Blount decides to marry Ginger Littlejohn instead of Adam Fenwick-Symes in, for 10 points, what novel by Evelyn Waugh?

ANSWER: Vile Bodies

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Bonuses

1. This composer was initially denied a Christian burial because of rumors that he had made a pact with the devil. For 10 points each:

[10] Name this Italian violin virtuoso who composed a set of 24 *Caprices for Solo Violin*, the last of which inspired a rhapsody on its theme by Sergei Rachmaninoff.

ANSWER: Niccolò **Paganini**

[10] Violinists learning the caprices are often advised to start with this caprice marked Presto, which was originally dedicated to Rodolphe Kreutzer. Though it's not the first, this caprice is also dominated by arpeggios.

ANSWER: Caprice **16** [accept word forms]

[10] Caprice 16 is in this key, as are caprices 6 and 10. This is also the key of an adagio attributed to Tomaso Albinoni which is now thought to be largely the work of Remo Giazotto.

ANSWER: **G minor** [do not prompt on partial answer]

2. Two non-parametric estimators for this quantity are named for Anne Chao. For 10 points each:

[10] Name this quantity, which roughly refers to the number and variety of different species that are present within a given area. It tends to be very high in equatorial regions, like rainforests.

ANSWER: bio**diversity** [or species **richness**]

[10] One method of determining how well you're sampling the diversity of a particular ecological area is to use this technique, in which you see how many different species you find in smaller subsamples of your total pooled sample and plot diversity vs sample size. If the curve is asymptotic, you're sampling well enough.

ANSWER: **rarefaction** [accept word forms such as **rarefied**]

[10] Several different measures of diversity can be unified into "diversity profiles" using these numbers, whose zeroth and first ones are the species richness and the Shannon index, respectively. They share their names with a coefficient which determines whether or not the binding of a ligand to an enzyme is cooperative.

ANSWER: **Hill** numbers or coefficient or equation

3. The “White Birch Society” or Shirakaba group of writers started this art form, which includes Shiga Naoya’s *Otsu Junkichi*. For 10 points each:

[10] Name this confessional genre exemplified by Katai Tayama’s *Futon* and Shimazaki Tōson’s *The Broken Commandment*. In this genre, a book’s episodes correspond closely to its author’s life.

ANSWER: **I-novel** [or **shishōsetsu**; or **watakushi shōsetsu**]

[10] This Japanese author wrote the I-novel *Scandal*. He may be better known for writing about the Portuguese priest Sebastião Rodrigues’ quest to find his former teacher Ferreira in his novel *Silence*.

ANSWER: Shūsaku **Endō**

[10] This author, a member of the *Buraiha* or “decadent” movement, wrote a modern work in “I-novel” form about Oba Yozo’s descent into alienism and alcoholism, *No Longer Human*. He also wrote *The Setting Sun*.

ANSWER: Osamu **Dazai**

4. She had several visions, including one of a ladder with a dragon at the bottom, which she climbs to reach a garden, as well as a vision of her deceased brother Dinocrates. For 10 points each:

[10] Name this Christian woman of noble birth, who was put to death in 203 CE with her companion Felicitas, an eight-month pregnant slave. When a wild bull wasn’t able to kill her, she was stabbed with a sword.

ANSWER: Vibia **Perpetua**

[10] Perpetua was killed in this city ruled by a tribunal of judges called the Hundred and Four. It was ruled by three different people called Hanno the Great, and Hamilcar of the Mago line.

ANSWER: **Carthage**

[10] Another heroic woman from Carthage was this daughter of Hasdrubal Gisco, who poisoned herself so that the Romans wouldn’t be able to parade her in a triumph. She had been married to the Numidian king Masinissa.

ANSWER: **Sophonisba** [or **Sophonisbe** or **Sophoniba** or **Sapanba’al**]

5. Answer the following about the wide world of New Wave film, for 10 points each.

[10] Handheld cameras, natural lighting and rebellious protagonists characterize many of the films in this country’s New Wave movement, which produced *Breathless* and *The 400 Blows*.

ANSWER: **France** [accept **French** New Wave]

[10] Films from this country’s recent New Wave include one in which the protagonist argues over the meaning of the words “conscience” and “justice” called *Police, Adjective*, as well as a film asking if this country’s revolution actually affected a small town, titled “12:08 East of” its capital.

ANSWER: **Romania** [accept **Romanian** New Wave]

[10] The Asian financial crisis spurred this country’s New Wave cinema, which produced such art-house films as *Last Life in the Universe* and the spaghetti western-esque *Tears of the Black Tiger*.

ANSWER: **Thailand** [accept **Thai** New Wave]

6. Compounds that undergo this mechanism show a strong broad absorption in the high IR or low visible region called an IVCT band. For 10 points each:

[10] Name this redox mechanism in which electrons are transferred across a covalent bond to a ligand. A ruthenium-containing complex named for Creutz and Taube is commonly used to study this mechanism.

ANSWER: **inner-sphere** electron transfer

[10] The Creutz-Taube complex is unusual because it contains metal centers with different values of this quantity. For a metal in an inorganic compound, it is denoted by a roman numeral.

ANSWER: **oxidation** state [or **oxidation** number]

[10] These ligands are often used for inner-sphere electron transfer. These ligands, like cyanide, cyanate, and azide, can be used to replace elements of group 17 in metal complexes.

ANSWER: **pseudohalides** [or **pseudohalogens**; do not accept or prompt on halides or halogens]

7. This book claims that we are “gambling with the future of our planet for the sake of hamburgers,” and popularized a term coined by Richard D. Ryder, speciesism. For 10 points each:

[10] Name this 1975 book which advocates vegetarianism as part of a new “ethics” for the title group.

ANSWER: **Animal Liberation**

[10] In *Animal Liberation*, Peter Singer essentially extends this theory of the greatest good for the greatest number of people to also include animals.

ANSWER: **utilitarianism**

[10] Animal rights scholar Gary Francione laid out six principles of this movement, which “uses veganism as a baseline,” rejects speciesism, and only uses the criterion of sentience to determine if an organism should be used as a resource. The subtitle of *The Animal Rights Debate* by Francione contrasts this movement with regulation.

ANSWER: **abolitionism**

8. Pope Pius V established three sets of five of these meditations, with the “Sorrowful” one beginning with a contemplation of the Agony in the Garden. For 10 points each:

[10] Name these meditations that are performed during a certain type of prayer. They focus on various events in the life and ministry of Christ.

ANSWER: **Mysteries** of the **Rosary** [prompt on "**Mysteries**"]

[10] This group of Mysteries of the Rosary includes the Resurrection and the Coronation of the Virgin. Pius V grouped the other ten mysteries under “Sorrowful” and “Joyful” headings.

ANSWER: **Glorious** Mysteries

[10] The fourth of the “Glorious Mysteries of the Rosary” is this event, in which Mary ascended into heaven at the end of her life. Its equivalent in Eastern Orthodoxy is the Dormition.

ANSWER: **Assumption** of the Virgin

9. This leader affirmed his commitment to democracy in the “Salerno Turn.” For 10 points each:
[10] Name this post-World War II leader of the Italian Communist Party, known as Il Migliore. An Italian victory in the 1948 Tour de France helped avert a civil war after he was nearly assassinated by fascist Antonio Pallante.

ANSWER: Palmiro **Togliatti**

[10] Togliatti’s successor, Enrico Berlinguer, ruled during a period of unrest in Italy known by this name. This period, perhaps named for a Margarethe von Trotta film, is often said to start with the Piazza Fontana bombing in 1969.

ANSWER: **Years of Lead** [or **anni di piombo**]

[10] Berlinguer forged the Historic Compromise with Aldo Moro, who was in the middle of a scandal involving bribes with this large aerospace company that, in 1995, merged with Martin.

ANSWER: **Lockheed** Corporation [or accept **Lockheed-Martin**, or **Loughead** Aircraft Manufacturing Company]

10. This action occurs after the woman who performs it goes into the back room, draws the curtains and plays a “frantic” song on the piano. For 10 points each:

[10] Identify this action, of which another character states “Good God! People don’t do such things!”

ANSWER: **Hedda Gabler's suicide** [Must have both parts; accept "Hedda" in place of Gabler. prompt on partial answers involving **suicide** or **shooting herself**]

[10] Hedda Gabler commits suicide at the end of a play by this Norwegian playwright, who also wrote *A Doll's House*.

ANSWER: Henrik **Ibsen**

[10] After Eilert Lovborg loses this object, Hedda Gabler destroys it, then gives Eilert a pistol and asks him to promise that he will use the pistol to commit suicide beautifully.

ANSWER: his **manuscript** [accept equivalents such as the handwritten **draft** for his next book]

11. A giant pink rubber glove nailed to a brown plane appears next to a classical Greek sculptural head in this artist’s *The Song of Love*. For 10 points each:

[10] Name this Greek-born Italian metaphysical painter who depicted the silhouette of a girl rolling a hoop down a long yellow alley in *Mystery and Melancholy of a Street*.

ANSWER: Giorgio **de Chirico** [do not accept or prompt on “Chirico”]

[10] Ferrara’s Castello Estense appears in the background of this de Chirico painting, whose two title figures are the balloon-headed statues in the foreground. A statue representing Apollo stands in shadow on the right.

ANSWER: *The **Disquieting Muses*** [or *Le **Muse Inquietanti***]

[10] A bunch of bananas sit on a brick surface in the foreground of a de Chirico painting titled for this place and subtitled “The Melancholy of Departure.” A famous 1895 Lévy and Sons photograph shows a train crashing through the wall of this place and into the Place de Rennes.

ANSWER: the **Gare Montparnasse** [or the **Montparnasse** railway/train **station/terminus**]

12. In the classical limit, these functions collapse into functions named for Langevin. For 10 points each:

[10] Name this special function which contains terms proportional to the hyperbolic cotangent of $2J$ plus one over $2J$ times x and the hyperbolic cotangent of one over $2J$, where J is the angular momentum quantum number.

ANSWER: **Brillouin** function

[10] The Brillouin functions are used to characterize magnetization in materials exhibiting this kind of weak attractive magnetism, in which spins align parallel to the applied field. Curie's law govern materials with it.

ANSWER: **paramagnetism** [accept **paramagnets** or other word forms]

[10] Paramagnets have a relative permeability that falls in this mathematical range. It may help you to know that the magnetic susceptibility of a paramagnet is always positive.

ANSWER: **greater than one** [or obvious equivalents; do not accept positive - which is greater than zero]

13. This man was initially tapped by Grover Cleveland to serve as his attorney general, then become his Secretary of State after the death of Walter Gresham. For 10 points each:

[10] Name this man who sent letters to Lord Salisbury to resolve the First Venezuelan Crisis, in which role he issued a namesake statement in 1895 that extended the Monroe Doctrine.

ANSWER: Richard **Olney**

[10] In order to resolve this 1894 railroad strike, Olney ordered district attorneys to obtain writs of injunction and then took the unprecedented step of sending in troops under Nelson Miles.

ANSWER: **Pullman** Strike

[10] A few years later, Russell Alger resigned his post as Secretary of War under McKinley in the wake of this wartime scandal, which stemmed from allegations made by Nelson Miles, though neither he nor the Dodge Commission could prove the allegations.

ANSWER: embalmed **beef** scandal [or the US Army **Beef** Scandal, prompt less descriptive answers such as "meat"]

14. In a story about a woman who commits the sin of telling the truth, this character remarks that "the cook was a good cook as cooks go; and as cooks go she went." For 10 points each:

[10] Name this effete youth who complains about how his friends keep giving him copies of the *Rubaiyat* in a story titled for him "on Christmas Presents." A collection titled for him "in Russia" appeared a year before his creator's *Chronicles of Clovis*.

ANSWER: **Reginald**

[10] Reginald is the title character of the first two short story collections by this author of "Sredni Vashtar" and "The Open Window."

ANSWER: **Saki** [or Hector Hugh **Munro**]

[10] A Saki character with this surname jealously guards her van der Meulen painting and attempts to set her son up with Emmeline Chetrof. That son of this name, Comus, dies in Africa after his boorishness ruins his chances with Elaine de Frey.

ANSWER: **Bassington** [accept Comus **Bassington** or Francesca **Bassington** or *The Unbearable Bassington*]

15. Answer the following about Alfred Kroeber, for 10 points each.

[10] Kroeber worked with this man, the last of the Yahi Indians; his wife Theodora wrote a biography about this man “in Two Worlds.” After his death, Kroeber had his brain removed and studied.

ANSWER: **Ishi**

[10] In his *Handbook of the Indians of California*, Kroeber discussed this type of cultural position, a Native American man who takes the role of a woman. This French term is now often replaced by the more gay friendly “two spirit.”

ANSWER: **berdache**

[10] Kroeber’s concept of diffusion, in which cultural traits spread from “core areas” to the “periphery,” was inspired by terms he picked up by reading this man’s essay “The Geographical Pivot of History.” This English geographer is known for putting forth the Heartland Theory.

ANSWER: Sir Halford John **Mackinder**

16. First discovered by a shuttle mission over French Guiana in 1990, these phenomena have an unknown color since they are faint and occur so rarely. For 10 points each:

[10] Name these mysterious doughnut-shaped events which glow as they expand to around 400 kilometers in diameter. Their name indicates that they are caused by “perturbations due to Electromagnetic Pulse Sources.”

ANSWER: **ELVES** [or **E**mission of **L**ight and **V**ery Low Frequency perturbations due to **E**lectromagnetic Pulse **S**ources]

[10] ELVES, a type of upper atmospheric lightning, seems to originate from within this layer of the atmosphere, which is in between the mesosphere and exosphere.

ANSWER: **thermosphere**

[10] This other variant of upper atmosphere lightning is known to be red-colored, and seems to be found in conjunction with cloud-to-ground lightning strikes. They resemble jellyfish and have a name inspired by Shakespeare.

ANSWER: red **sprites**

17. Lampetia and Phaethusa serve as guards on this island, where impending starvation prompts Eurylochus to disobey orders. For 10 points each:

[10] Name this island home to the immortal, but delicious and not invulnerable, cattle of Helios.

ANSWER: **Thrinacia** [or **Thrinakia**]

[10] Odysseus’s men ignore his warnings about touching the cattle of Helios, causing their eventual deaths in a storm sent by Poseidon. Odysseus survives the storm but spends the next seven years stuck on this island with Calypso.

ANSWER: **Ogygia**

[10] Odysseus could have avoided that mess on Thrinacia if he had listened to the admonitions to stay away from it given to him by the shade of this seer. He was blinded after declaring that women enjoy sex more than men, a fact he learned during his seven years as a woman.

ANSWER: **Tiresias**

18. Answer the following related to minstrel shows, for 10 points each.

[10] E.P. Christy led a minstrel troupe known for performing this man's works, like "My Old Kentucky Home" and "Old Folks at Home." This composer also wrote "Oh! Susanna" and "Camptown Races."

ANSWER: Stephen Collins **Foster**

[10] The Virginia Minstrels popularized this song in 1843, featuring a title character who "washed his face in a fryin' pan, combed his head with a wagon wheel...and died with a toothache in his heel." He's repeatedly told in the song that he's too late for supper.

ANSWER: "Old **Dan Tucker**" [or "Ole Dan Tucker", or just "Dan Tucker"]

[10] William T. Porter's New York City newspaper *Spirit of the Times* grew infamous for making fun of minstrel shows, but it was even more infamous for publishing "The Big Bear of Arkansas," a story by this man who also wrote the anti-slavery novel *The Master's House*.

ANSWER: Thomas Bangs **Thorpe**

19. The speaker of a poem in this book explains "I was in such a hurry / to meet you but the traffic / was acting exactly like the sky" and notes that "there is no snow in Hollywood." For 10 points each:

[10] Name this collection of poems which contains "Lana Turner has collapsed!" and a poem whose speaker remembers when the title singer "whispered a song along the keyboard / to Mal Waldron and everyone and I stopped breathing."

ANSWER: **Lunch Poems**

[10] *Lunch Poems* was written by Frank O'Hara, one of the central members of a 1960s "school" named for this city. The text of Emma Lazarus's "The New Colossus" appears on a landmark in this city.

ANSWER: **New York City** [or **NYC**]

[10] In "Why I Am Not A Painter", O'Hara compares his writing a poem about the color orange to a painting Mike Goldberg names after these fish. A plate of them are dumped onto Dotty's head in Michael Frayn's play *Noises Off*.

ANSWER: **sardines**

20. This man was deposed after he tried to expropriate and redistribute land through Decree 900. For 10 points each:

[10] Name this president known as "The Big Blonde" and "The Swiss," who was removed from power by the CIA-backed Operation PBFORTUNE, which became Operation PBSUCCESS.

ANSWER: Colonel Jacobo **Árbenz** Guzmán

[10] Árbenz led this Latin American country previously controlled by the despotic Jorge Ubico, a United Fruit collaborator, whose ouster in 1944 led to its namesake revolution.

ANSWER: Republic of **Guatemala**

[10] Between Ubico and Árbenz, this man served as the first democratically elected president of Guatemala. His advocacy of "spiritual socialism" put him at odds with capitalists and communists alike.

ANSWER: Juan José **Arévalo** Bermejo