

ACF Winter 2010: Temporary Autonomous Zone

Edited by Andrew Hart, Rob Carson, Trevor Davis, Dennis Jang, and Eric Mukherjee

Packet by Virginia Commonwealth (Evan Adams) and Duke (Alvin Shi, Bo Sun, Dave Bronfman, Maggie Chu, and Ruiji Jiang)

Tossups

1. The protagonist of this novel encounters a character who keeps a multitude of caged parrots in his garden to trade in their feathers. One character in this work plays dominoes with the protagonist before giving him the white mules Contento and Angelica. The protagonist of this work spends the night at the house of Buck Scales, whose wife Magdalena reveals as a killer of travelers and his own three children. The protagonist of this novel almost dies in the desert before discovering the town of Agua Secreta, and his friend Joseph Vaillant discovers a bell made in 1536. The protagonist of this novel befriends Kit Carson and is helped by Don Antonio Olivares in building a cathedral. For 10 points, name this Willa Cather novel in which Jean Marie Latour establishes a diocese in New Mexico.
ANSWER: **Death Comes for the Archbishop**
2. Herbert Kelman identified three major causes of this phenomenon. Most psychologists divide it into informational and normative types. One experiment that demonstrated this involved a darkened room in which participants were asked to estimate the distance a dot of light moved. In addition to that “autokinetic effect” experiment by Muzafer Sherif, another experiment that examined this phenomenon was repeated by Perrin and Spencer and distinguished between “true partners” and “compromise partners.” That experiment concerning this phenomenon was performed on groups of eight people in which all but one were confederates. For 10 points, name this phenomenon demonstrated in a Solomon Asch experiment in which subjects eventually agreed a shorter line was the longer one.
ANSWER: **conformity**
3. Dehydrating this compound forms an oxazole in the Robinson-Gabriel synthesis, and zinc compounds are used to generate them from thioesters in the Fukuyama coupling. Another reaction used to generate them uses thorium oxide to cyclize a dicarboxylic acid. Another method to create them uses a Lewis acid to create an acyl chloride, which undergoes an electrophilic aromatic substitution. In addition to the Ruzicka cyclization and the Friedel-Crafts reaction, these compounds can be created from secondary alcohols using the Jones reagent. They exist in an equilibrium with enols in a simple form of tautomerism. For 10 points, name these carbonyls that contain a carbon double bonded to an oxygen bound to two R groups.
ANSWER: **ketones**
4. The majority opinion in this case quotes *Palko v. Connecticut* in declaring the central matter a freedom “implicit in the concept of ordered liberty.” The majority opinion in this case also declared that “There is no war between the Constitution and common sense.” Harlan led a dissent that stressed this case’s decision as an assault on *stare decisis*. This case’s decision was based on *Boyd v. United States*, and it extended the limitations placed on the Federal Government by *Weeks v. United States*. This case overturned *Wolf v. Colorado* in expanding the Fourth Amendment protection against unreasonable search and seizure to state governments. For 10 points, name this case which cemented the place of the exclusionary rule.
ANSWER: **Mapp** v. *Ohio*
5. The narrator of this book hears the “voice of the Lord” saying “Whom shall I send, and who will go for us?” and replies “Here am I; send me.” The title figure of this book also appears in Second Kings, in which he rebukes Hezekiah for giving too much information to the Babylonian King. The story of Hezekiah is also recounted in this book’s thirty-sixth chapter. The forty-second through fifty-first chapters of this book consist of four “Songs of the Suffering Servant.” The last twenty six chapters of this book are usually known as the “Book of Comfort,” and see the title prophet expound on his prediction that “a virgin shall conceive, and bear a son, and shall call his name Immanuel.” For 10 points, name this book of the Old Testament which precedes Jeremiah.
ANSWER: Book of **Isaiah**

6. Joey Porter claimed “I didn't mean to offend anybody but [this athlete]” after calling him a “fag.” This player was briefly suspended after claiming his team treated him like a “piece of meat” while he was hospitalized with a staph infection. In 2005, this player violated his contract when he tore his ACL after riding his motorcycle over a curb in a community college parking lot. He earned a fifteen yard penalty in a 2003 loss to Tennessee after taunting an injured Corey Campbell, before declaring “I'm a fuckin' soldier!” at a press conference. This man caught his first touchdown pass from Charlie Frye. In 2009, after his trade from the Browns, he has become Josh Freeman’s primary target. For 10 points, name this tight end for the Tampa Bay Buccaneers, whose namesake father was a Hall of Fame tight end.
ANSWER: Kellen Boswell Winslow II
7. This algorithm is often paired with OAEP, which makes it probabilistic by adding random oracles. Now implemented via the PCKS scheme, modern versions use the Carmichael function. One pair of values generated have a product congruent to 1 modulo lambda of n. One step involves computing the totient of the product of two numbers and finding an integer that is coprime to that result. Another step in this algorithm is to find the modular multiplicative inverse of e, and the efficacy of this algorithm is proven by Fermat’s Little Theorem. Its secure because of the difficulty in factoring large primes. For 10 points, name this public key encryption algorithm pioneered at MIT by the three scientists whose initials give it its name.
ANSWER: RSA encryption [or Rivest, Shamir and Adleman]
8. The narrator of this work recalls digging through the flooded Palace of Justice to recover 322 pages of a brief. One character in this work confuses the bad omen of birds with the good omen of trees when interpreting her son’s dream. Another character in this novel writes weekly letters for seventeen years until her former lover returns them all unopened. Father Amador is distracted from its title event by the arrival of the bishop on a steamboat, and that event is sparked after Bayardo San Roman returns one character to her mother. The butcher Faustino is asked to sharpen two pairs of knives in this work; those knives are used by the Vicario twins after their sister Angela informs them that Santiago Nasar took her virginity. For 10 points, name this 1981 novella by Gabriel Garcia Marquez.
ANSWER: Chronicle of a Death Foretold [or Cronica de una muerte anunciada]
9. Following this event, Francis Philips led a group that met at the Star Inn to praise it, and it took place two years after the Blanketeers March. Military drills at Tandle Hill preceeded this event. Its aftermath saw the arrest of reporter John Tyas under The Baspheinous and Seditious Libels Act. This event’s outcome was reported by James Wroe and Richard Carlile. The Training Prevention Act and the Seizure of Arms Act were among the Six Acts passed by parliament in response to this event. Occurring at a meeting presided over by Henry “Orator” Hunt, it resulted in the death of eleven people. For 10 points, name this 1819 event in Manchester where a group of protestors was violently dispersed, which takes its name from the bastardization of a Napoleonic defeat.
ANSWER: Peterloo Massacre [or Battle of Peterloo]
10. The first act of this opera sees an Italian tenor perform the aria “Di rigori armato” for one of the central characters until he is interrupted by another character’s heated argument with an attorney over wedding gift etiquette. Three central characters sing the third act trio “Hab' mir's gelobt” in this opera, which opens with one character hiding from the chocolate-bearing servant Mohammed. A male character courts the antagonist of this opera in the guise of the servant girl Mariandel. After helping trick Baron Ochs into releasing his engagement, the aging Marschallin allows Octavian to pursue the younger Sophie. For 10 points, name this opera in which Octavian falls in love with Sophie after ritually presenting her with the title flower on behalf of Baron Ochs, a comic opera by Richard Strauss.
ANSWER: Der Rosenkavalier [or The Knight of the Rose]
11. The narrator of this poem promises “thirteen scudi for the ruff,” referring to a figure known as “The Cousin” whose whistle ends this poem. The narrator of this work addresses his “melancholy little house,” which he built with money stolen from Francis I. Its speaker brushes off criticism by asking “what does the mountain care?” but concedes that “a man’s reach should exceed his grasp.” That speaker asserts “that arm is wrongly put” in critiquing a work of Raphael but is forced to agree that “there burns a truer light of God in them.” Its speaker asks “What wife had Rafael, or has Agnolo?” and tells his own wife, Lucrezia, “do not let us quarrel any more.” For 10 points, name this dramatic monologue about a “Faultless Painter,” written by Robert Browning.
ANSWER: “Andrea del Sarto”

12. One diplomat stalled the proceedings of this treaty by demanding to be referred to by his thirty-eight word title which included “knight of the royal order of St. Januarius.” Preceding the signing of this treaty, one side repelled a coup led by Charles Pichegru. This treaty reaffirmed the Peace of Leoben, and one side was represented by Count Ludwig von Cobenzl. A secret article of this treaty provided for a peace congress at Rastatt. One side received Dalmatia and Istria as part of a partition of Venetian territories, and the other received Belgium. This treaty recognized the Ligurian and Cisalpine republics, and it was signed between France and Austria. For 10 points, name this 1797 treaty signed by Napoleon, which ended the War of the First Coalition.

ANSWER: Treaty of Campo Formio [or Peace of Campo Formio]

13. A quantum version of this quantity for 2D-electron systems is equal to the fundamental charge squared times the density of states; graphene’s band structure gives it two values of this quantity. Changes in this quantity are measured in deep level transient spectroscopy. It can be increased using an inverting voltage amplifier by $1 - \nu$, an effect exploited in pole splitting named for Miller. Its inverse is known as elastance, and for an isolated sphere its equal to $4\pi\epsilon_0 a$. In another configuration, it is equal to $\epsilon_0 \epsilon_r \frac{A}{d}$. The SI unit for this quantity is measured in coulombs per volts and is called the farad. For 10 points, name this measure of the amount of electric charge stored in a namesake electronic component.

ANSWER: capacitance

14. This man’s counterpoint teacher, André Gedalge, was the dedicatee of an A-minor piece by this man that includes movements like “Modéré,” “Pantom,” and “Passacaille.” This creator of a notable *Piano Trio* included movements like “Night Moths” and “The Aubade of the Jester” in his solo piano piece *Mirrors*. This composer wrote a piano piece in which each movement is based on an Aloysius Bertrand poem, which was written to be more difficult to play than Balakirev’s *Islamey*. This composer of *Gaspard de la nuit* also wrote an impressionistic ballet based on a Longus romance, while his most famous work builds up to a crescendo as a repetitive ostinato rhythm is played on the snare drums. For 10 points, name this French composer of *Daphnis et Chloe* and *Bolero*.

ANSWER: Joseph-Maurice Ravel

15. One son of this deity whacked travelers with an iron club until Theseus killed him. This father of Periphetes was also the father of a firebreathing monster killed by Hercules named Cacus. The blinded Orion was guided to the East by this deity’s follower Cedalion. This god also gave Harmonia her famous necklace upon her marriage to Cadmus. One son of this god was placed in a box and given to the daughters of Cecrops; that son of this god was born when Athena wiped this god’s seed off her thigh and onto the ground. This father of Erecthonius caught his wife sleeping with Ares by constructing a net. He once fell from Olympus for nine days, resulting in his becoming lame. For 10 points, name this wife of Aphrodite and son of Hera and Zeus, the Greek god of the forge.

ANSWER: Hephaestus [or Hephaistos; accept Vulcan until “Greek”]

16. Several characters in this work saw off the legs of a harpsichord to use it as a table during a ceremony at which one character sings “Jenny the Pirate.” One character in this work shows the beggar Filch the five types of human misery before barring him from receiving a license from *Beggar’s Friend, Ltd.* Jonathan Jeremiah threatens to ruin the Queen’s coronation by flooding it with poor people in this play, a gambit which neutralizes the protagonist’s friendship with Chief of Police Tiger Brown. The protagonist of this work leads a gang that includes Crook Finger Jack, Matt of the Mint, and Sawtooth Bob, but draws the ire of the Beggar Boss by marrying his daughter Polly Peachum. For 10 points, name this work about Mac the Knife, a play by Bertolt Brecht based on a John Gay drama.

ANSWER: *The* Threepenny Opera [or *Die Dreigroschenoper*]

17. A speaker in this work claims that an Olympic charioteer offers only the guise of happiness while the speaker offers the reality; that speaker recalls speaking out against the illegality of trying a group of ten generals simultaneously. This work argues that a bad man cannot harm a better man. One speaker in this work recounts how Callias wants his sons to be taught by Evenus the Parian, who charges five minae. Socrates recounts how the Oracle at Delphi claimed no man was wiser than him, leading him to conclude his wisdom stems from acknowledging that he knows nothing. Socrates compares himself to a gadfly in stinging the state into action after Lycon, Anytus, and Meletus accuse him of corrupting the youth. For 10 points, name this Platonic dialogue in which Socrates defends himself at court.

ANSWER: the Apology [accept Apologia]

18. One model that explains the allosteric change in this protein is the Monod, Wyman, and Changeux model. The Koshland, Nemethy, and Filmer model states that one subunit's change in the structure of this protein promotes conformational state changes in adjacent subunits. This molecule fluctuates between T and R states. 2,3-bi-phosphoglycerate and inositol hexa-phosphate act to promote the disassociation between this protein and the molecule that it most commonly binds to. The fact that the aforementioned disassociation is promoted when this protein is at low pHs is called the Bohr effect. The carbamation of its N-terminal amino groups allows this protein to carry carbon dioxide. For 10 points, name this iron-containing protein found in red blood cells, responsible for carrying oxygen.
ANSWER: hemoglobin [accept Hb; or Hgb]
19. One of this artist's paintings focuses on a multicolored shield as the Emperor Titus rears on a majestic white horse. This artist of *The Destruction of Jerusalem* painted Ruth kneeling before Boaz in one of a quartet of paintings that also includes a depiction of *The Spies with the Grapes of the Promised Land*. He depicted Judas sneaking out of the Last Supper in *Eucharist*, which joins works like *Extreme Unction* and *Baptism* in another series. This artist of *The Four Seasons* and *The Seven Sacraments* painted a work in which group of chariots riding above clouds as Wealth, Poverty, Labor, and Pleasure join hands in the center. Another of his paintings shows four peasants examining a tomb. For 10 points, name this classical French artist of *A Dance to the Music of Time* and *Et in Arcadia Ego*.
ANSWER: Nicholas Poussin
20. A nationalist movement in this country abolished political parties with Decree Law 152 and interred a former leader in the Pantheon of Heroes. Rafael Franco led this country during the short-lived Febrerista Revolution, which overthrew Eusebio Alaya and his general José Félix Estigarribia. One leader of this country married the Irish courtesan Eliza Lynch before being killed at Cerro Corá after invading Mato Grosso. This country managed to gain land in the Chaco War. It was led by Francisco Solano Lopez when it was crushed in the War of the Triple Alliance. Andrés Rodríguez led a 1989 pro-democracy coup here, which ended the monopoly of power by the Colorado Party. For 10 points, name this South American nation led until that coup by the dictator Alfredo Stroessner.
ANSWER: Republic of Paraguay
21. This politician ran for office on his "Sixty Days of Decision" promise. His criticism of American foreign policy caused the American president to tell him "you pissed on my rug." This man signed the Auto-Pact with the United States and unified the Air Force, Army, and Navy into the Canadian Armed Forces. This man led his party in defeating John Diefenbaker's Progressive Conservatives and as Prime Minister. He won the Great Flag Debate and introduced universal health care. While serving in the cabinet of St. Laurent, this man helped mediate the Suez crisis, for which he won the 1957 Nobel Peace Prize. For 10 points, name this Liberal Prime Minister of Canada from 1963 to 1968 who also introduced the Maple Leaf flag.
ANSWER: Lester Bowles Pearson
22. One character in this novel tells of a man who was hanged for stealing a coffin for his dead child. The protagonist of this work is so moved by the hymn "The Foot of the Cross" that he visits its composer. As a child, this novel's protagonist works as a scarecrow but is fired when Farmer Troutham catches him talking to the birds. Doctor Vilbert sells a love potion to a character who tricks this work's protagonist into marriage by pretending to be pregnant. One of its characters leaves a note reading "Done because we are too menny" after hanging himself and his siblings. Following the death of Little Father Time, Sue Bridehead becomes religious, and this novel's title character remarries Arabella Donn. For 10 points, name this work about a stonemason, the last novel of Thomas Hardy.
ANSWER: Jude the Obscure

ACF Winter 2010: Temporary Autonomous Zone

Edited by Andrew Hart, Rob Carson, Trevor Davis, Dennis Jang, and Eric Mukherjee

Packet by Virginia Commonwealth (Evan Adams) and Duke (Alvin Shi, Bo Sun, Dave Bronfman, Maggie Chu, and Ruiji Jiang)

Bonuses

1. This work calls its subject the “true daughter of old time” but accuses it of tearing “the Naiad from her flood.” For 10 points each:
[10] Name this poem in which the title subject is called a “vulture” and accused of altering “all things with thy peering eyes.”
ANSWER: “Sonnet: To Science”
[10] This poet of “Sonnet: To Science” also wrote the poem “The Conqueror Worm,” which appears in his story “Ligeia.” He also wrote “A Descent into the Maelstrom,” “Berenice,” and “William Wilson.”
ANSWER: Edgar Allan Poe
[10] This Poe short story ends with its narrator tearing up the floorboards while being interrogated by the police due to his hearing of the beating of the title object, which was once in the chest of a man with a filmy blue eye.
ANSWER: “The Tell-Tale Heart”
2. This symphony is in C major and includes a five theme fugue in its finale. For 10 points each:
[10] Name this symphony which contains some parts of an aria its composer wrote for Albertarelli in Anfossi’s *The Fortunate Jealousies*, and whose name was coined by Johann Peter Salomon.
ANSWER: “Jupiter” Symphony [or Mozart’s Symphony No. 41 in C major; or K. 551]
[10] *Jupiter* is the final symphony of this composer, whose requiem was completed by Franz Süssmayr, and who apocryphally feuded with Salieri.
ANSWER: Wolfgang Amadeus Mozart
[10] This thirty-first symphony of Mozart omits the typical minuet and includes the Mannheim rocket in its first allegro assai movement. It is so named for the city in which Mozart composed it.
ANSWER: Paris *Symphony*
3. Answer the following concerning the Solow growth model, for 10 points each.
[10] The Solow model extended the Harrod-Domar model by including both capital and this entity as a factor of production. Sometimes considered part of human capital, it is a measure of work done by people.
ANSWER: labor
[10] Total production in the Solow model is assumed to be of this doubly-eponymous functional form. When its two coefficients sum to one, it has the convenient property of constant returns to scale.
ANSWER: Cobb-Douglas function
[10] The “residual” productivity not explained by capital growth in the Solow model cannot explain the rise of several countries, which experienced tremendous growth and industrialization between 1960 and 1990, collectively known by this name.
ANSWER: Four Asian Tigers [or Four Little Dragons; prompt on partial answers]
4. This building will feature an observation deck at 1368 feet, the height of the building it is replacing, and will reach a total height of 1776 feet, making it the tallest building in the Americas. For 10 points each:
[10] Name this currently-under-construction landmark in New York City.
ANSWER: Freedom Tower [or 1 World Trade Center]
[10] This Jewish architect, later replaced on the job by David Childs, won the 2003 competition to design 1 World Trade Center. His other works include the Michael Lee-Chin Crystal expansion to the Royal Ontario Museum.
ANSWER: Daniel Libeskind
[10] Libeskind’s best-known work may be the lightning-bolt-shaped expansion to the Jewish Museum in this city. Other architectural marvels in this city include the Charlottenburg Palace and the Reichstag building.
ANSWER: Berlin

5. Identify some things about a famous biological experiment, for 10 points each.
 [10] Beadle and Tatum's "one gene, one enzyme" hypothesis was made after their extensive work on this mold, which is a bread mold with seven chromosomes.
 ANSWER: **Neurospora crassa** [or **N. crassa**]
 [10] Beadle and Tatum generated a series of these organisms, which are mutants that cannot generate a particular organic compound that they require for growth, meaning it has to be infused in the medium.
 ANSWER: **auxotroph**
 [10] The "one gene, one enzyme" hypothesis kind of flew out the window upon Philip Sharp's discovery of splicing, in which this genetic material, the opposite of exons, is removed from an immature mRNA.
 ANSWER: **introns**

6. The protagonist of this work gets drunk and turns his lecture on medieval shipbuilding and "Merrie England" into a parody of his boss Professor Welch. For 10 points each:
 [10] Name this novel in which the title professor is entrapped by Margaret Peel with a fake suicide attempt before getting a job with Julius Gore-Urquhart and going out with Christine Callaghan.
 ANSWER: **Lucky Jim**
 [10] This author wrote the James Bond novel *Colonel Sun* under the pseudonym "Robert Markham." His other works include *The Alteration*, *The Old Devils*, and the aforementioned *Lucky Jim*.
 ANSWER: Kingsley William **Amis**
 [10] Kingsley's son Martin Amis wrote such novels as *London Fields* and this one, in which John Self is brought to New York to direct a film. Self gets drunk a lot and is attacked by the mysterious "Frank the Phone."
 ANSWER: **Money**

7. It reinforced the Emergency Tariff Act of 1921 and became the highest tariff to date. For 10 points each:
 [10] Name this 1922 tariff which introduced the use of the "American selling price" and made it even harder for European countries to pay off their war debts.
 ANSWER: **Fordney-McCumber** Tariff [or **Fordney-McCumber** Act]
 [10] The rates of the Fordney-McCumber Tariff were even further increased by the Hawley-Smoot Tariff, which was championed by this president. The tariff worsened the Great Depression, which began during his term.
 ANSWER: Herbert **Hoover**
 [10] Franklin Roosevelt undertook a program of lowering tariffs through this first secretary of state. He engineered the passage of the Reciprocal Trade Agreements Act and formulated the Good Neighbor Policy.
 ANSWER: Cordell **Hull**

8. Participants in this ritual often drink water from the Well of Zamzam and throw rocks at three walls called the *jamarat* to represent stoning the devil. For 10 points each:
 [10] Name this pillar of Islam which should be completed at least once during any able-bodied Muslim's lifetime and involves a pilgrimage to Mecca.
 ANSWER: the **Haji**
 [10] Pilgrims must travel seven times between the hills of Safa and Marwah in imitation of the search for water performed by this mother of Ishmael.
 ANSWER: **Hagar** [accept **Hajarah**]
 [10] Pilgrims undertaking the Hajj must wear white clothing made of two unhemmed sheets that is known by this Arabic word, which is also used to describe the state of mind pilgrims should be in before crossing the Miqat.
 ANSWER: **ihram**

9. After ten million years in this phase, temperatures rise enough for stars to begin nuclear fission. For 10 points each:
 [10] Name this stage during which stars send out powerful gusts of protostellar winds composed of ejected gas. It is named for its prototype, which is found in Taurus, and is usually found in stars near molecular clouds.
 ANSWER: **Tau Tauri** phase [accept **T Tauri** phase]
 [10] After exiting the T Tauri phase, most protostars end up on this populous band of stars on the Hertzsprung Russell diagram.
 ANSWER: **main sequence**
 [10] Many main sequence stars use this fusion reaction and alternative to the CNO cycle, which occurs when the temperature of the namesake particles is high enough to overcome Coulomb's law.
 ANSWER: **proton-proton** chain reaction

10. In the prologue to this work, the author claims to have gotten the story from a cat chained to a tree, and it opens with Prince Vladimir holding a feast. For 10 points each:

[10] Name this work in which one of the title characters competes with Farlaf and Rogday to find the other after she is abducted by the wizard Chernomor on their wedding night.

ANSWER: **Ruslan and Ludmila**

[10] This Russian poet penned *Ruslan and Ludmila*, four *Little Tragedies*, and wrote about the dangers of senseless duels in *Eugene Onegin*.

ANSWER: Aleksandr Sergeyevich **Pushkin**

[10] This Pushkin poem sees Yevgeny being chased by the title equestrian statue of Peter the Great, which Yevgeny had cursed after a flood tore through the town and killed his lover Parasha.

ANSWER: "The **Bronze Horseman**"

11. Identify some things related to the Categorical Imperative, for 10 points each.

[10] The Categorical Imperative is at the center of the moral philosophy of this important German philosopher, which he wrote about in works like the *Critique of Practical Reason*.

ANSWER: Immanuel **Kant**

[10] Kant first laid out the Categorical Imperative in this early work of moral philosophy, meant to serve as a foundation for a later work. In it he attempts to delineate the supreme laws of morality.

ANSWER: **Groundwork of/to the Metaphysics of Morals** [or **Foundations of/to the Metaphysics of Morals**; accept **Grundlegung zur Metaphysik der Sitten**; do not accept "The Metaphysics of Morals"]

[10] One of Kant's formulation presents of the Categorical Imperative is one in which individuals must regard themselves as legislators in one of these hypothetical places, in which rational individuals act in accordance with common moral laws.

ANSWER: a "**kingdom of ends**"

12. The scandalous depiction of pubic hair in this painting caused the Spanish Inquisition to remove its creator from his position as court painter. For 10 points each:

[10] Identify this painting depicting a woman, thought by some to be the Duchess of Alba, reclining in a state of dishabille on a couch. Its painter also created a similar work in which the central figure was clothed.

ANSWER: *The **Nude Maja*** [accept *The **Naked Maja***; or *La **Maja Desnuda***]

[10] *The Nude Maja* and its companion piece, *The Clothed Maja*, were painted by this artist of *The Third of May, 1808*, whose series of "Black Paintings" included *Saturn Devouring His Son*.

ANSWER: Francisco Jose de **Goya** y Lucientes

[10] The first etching in this group of eighty Goya works depicts a dour man in a top hat. Another member of this group shows a series of flying animals above a sleeping man and is titled *The Sleep of Reason Produces Monsters*.

ANSWER: *Los **Caprichos*** [or *The **Caprices***]

13. A preliminary campaign to this one was led by Peter the Hermit and Walter the Penniless and was known as the People's Crusade. For 10 points each:

[10] Name this eleventh-century military campaign which established the Kingdom of Jerusalem after successfully reclaiming much of the Holy Land.

ANSWER: the **First Crusade**

[10] The First Crusade was called for by Urban II at this 1095 council held in a namesake French town.

ANSWER: Council of **Clermont**

[10] Urban II received the pleas for aid by the ambassadors of Alexios I Komnenos at this earlier 1095 council, which also saw Philip I of France appeal his excommunication.

ANSWER: Council of **Piacenza**

14. For a set of strings S, this operation returns the smallest set of strings that contains S, the empty string, and is closed under the concatenation operation. For 10 points each:
 [10] Name this operator.
 ANSWER: **Kleene star**
 [10] Stephen Kleene was one of the students of this American mathematician, who helped develop Lambda calculus and names a central thesis of computability theory along with Turing.
 ANSWER: Alonzo **Church**
 [10] This other mathematician worked with Kleene to discover a paradox in the Lambda calculus, and developed a theorem with Church about confluence of distinct reductions in Lambda calculus.
 ANSWER: John Barkley **Rosser** Sr.
15. This man established a secret police called the Sigurimi. For 10 points each:
 [10] Name this dictator who led his country's socialist "Party of Labor" from 1944 to 1985, allying at various times with Yugoslavia, the Soviet Union, and China before declaring his country independent of other communist nations.
 ANSWER: Enver **Hoxha**
 [10] Enver Hoxha led this Balkan country, which has ethnic groups like Ghegs and Tosks and was ruled by King Zog in the 1930s.
 ANSWER: **Albania**
 [10] The only other leader of the "Party of Labour of Albania" was this successor to Enver Hoxha who ruled until 1991.
 ANSWER: Ramiz Tafe **Alia**
16. This work analyzes the *pachuco* culture in youth and blames the reform movement's import of European ideas for the title concept. For 10 points each:
 [10] Name this collection of nine essays including "Mexican Mask," "The Sons of La Malinche," "The Mexican Intelligentsia," and "The Day of the Dead."
 ANSWER: *The* **Labyrinth of Solitude** [or *El* **Laberinto de la Soledad**]
 [10] This Nobel-winning Mexican poet, author of *The Sunstone* and *The Bow and the Lyre*, wrote *The Labyrinth of Solitude*.
 ANSWER: Octavio **Paz** Lozano
 [10] Octavio Paz's book *The Traps of Faith* is a biography of this poet, who wrote poems like "First Dream" and a "Letter to Filotea."
 ANSWER: Sor **Juana** Ines de la Cruz [de Asbaje y Ramirez de Santillana]
17. In one story, this dedicatee of a temple complex at Uruk must shed one article of clothing for each of the seven gates of the underworld she passes through. For 10 points each:
 [10] Name this Assyrian and Babylonian goddess of love and fertility, an analog to the Sumerian Inanna, who unleashed the bull of heaven after being rejected by Gilgamesh.
 ANSWER: **Ishtar** [accept **Astarte**]
 [10] This consort of Nergal and queen of the underworld inflicted sixty diseases on her sister Ishtar, after which Asu-shu-namir demanded the water of life to revive her.
 ANSWER: **Ereshkigal** [prompt on **Irkalla**; accept **Allatu**]
 [10] Ereshkigal and Nergal rule over this Mesopotamian underworld.
 ANSWER: **Irkalla** [accept **Arali**, **Aralu**, **Kigal**, or **Gizal**]
18. The Antoine equation describes the relation of this value with temperature. For 10 points each:
 [10] Name this quantity which increases with temperature according to the Clausius-Clapeyron equation, and is defined as the force exerted by the gaseous phase of a two phase system.
 ANSWER: **vapor pressure**
 [10] According to this gas law, the vapor pressure of a solution equals the product of the vapor pressure of the solvent and the mole fraction of the solvent.
 ANSWER: **Raoult's** law
 [10] Given the critical pressure, the critical temperature, and the acentric factor, this method can be used to approximate the vapor pressure of a solution. It sets the natural log of reduced pressure equal to $f_{\text{sub zero}} + \text{acentric factor} \times f_{\text{sub 1}}$.
 ANSWER: **Lee-Kesler** method

19. This empire's first ruler was Sonni Ali, who defeated several Mossi, Dogon, and Taureg tribes. For 10 points each:
[10] Name this African empire centered at Gao that was also ruled by Askia Muhammad. It supplanted the Mali empire in northern Africa.
ANSWER: **Songhai** Empire
[10] The Songhai Empire under Askia Ishaq II lost some salt mines in this 1591 battle in which it was defeated by Moroccans under Judar Pasha.
ANSWER: Battle of **Tondibi**
[10] Judar Pasha was a general for this Moroccan dynasty, which was centered at Marrakech and ruled from 1509 to 1659.
ANSWER: **Saadi** Dynasty
20. Name some things about important figures in 70s glam rock, for 10 points each.
[10] This band, famous for their kabuki makeup and pyrotechnics, hit it big with songs like "Detroit Rock City" and "Rock and Roll All Nite."
ANSWER: **KISS**
[10] Starting with the lead singer asking if each band member is ready, Sweet had their biggest hit with this number, which describes a "man in the back" who says "everyone attack," resulting in the title situation.
ANSWER: "The **Ballroom Blitz**"
[10] Brian Eno was once a part of this Brian Ferry-fronted group. Their only US hit was "Love Is the Drug," despite bigger success in the UK with "Virginia Plain" and "Pyjamarama."
ANSWER: **Roxy Music**
21. Chremes delivers the news of this play to Blepyrus, the husband of the central character. For 10 points each:
[10] Name this play in which Praxagora takes over Athens and creates a Utopian society.
ANSWER: **Ecclesiazusae** [or **Assemblywomen**]
[10] This *Ecclesiazusae* is similar to *Lysistrata*, both of which were written by this Greek playwright of *The Birds*.
ANSWER: **Aristophanes**
[10] In this Aristophanes play, Bdelycleon imprisons his father Philocleon, who is obsessed with being a juror. The title creatures attempt to help Philocleon escape his house to return to the courts.
ANSWER: *The* **Wasps** [or **Sphekes**]