**2010 ACF National Championship**

**Editor’s Round (Tiebreak Round)**

Tossups:

1. The year after he died, a memorial exhibition of his works was organized by Wilhelm Uhde [oo-duh], who also wrote the first biography of this artist. His technique always involved painting individual colors one by one and painting from the top of the canvas to the bottom. His portraits include those of Pierre Loti and Leon-Paul Fargue, as well as a self-portrait with a lamp. Whimsy and disproportion typify such canvases as *Unpleasant Surprise*, *The Merry Jesters*, *Boy on the Rocks* and *The Football Players*. Yet, it is the exoticism of such paintings as *The Dream* and *The Snake Charmer* that set him apart. His nickname was given not for his art but for the many years he worked as a customs inspector. For 10 points, name this man who often painted jungle scenes featuring lions and tigers, such as in his magnum opus *The Sleeping Gypsy*.

ANSWER: Henri **Rousseau** (or Le Douanier **Rousseau**) [*Douanier* meaning customs inspector]

2. With Michael Smith and Mark Johnston he advanced a meta-ethical theory holding that something is valued if, and only if, we would be disposed to value it under ideal circumstances. He explored what it meant to introduce a new theoretical term into science in such papers as “Tensing the Copula” and “Void and Object.” This process, called Ramseyfication, was also employed in his, “An Argument for Identity Theory,” to make a case for mind-brain monism. He asserted the importance of tracing local matters of particular fact, a metaphysical doctrine that he called “Humean supervenience,” and employed techniques from game-theory to describe norms as resulting from coordination problems in his first work, *Convention.* Best known for championing modal realism, For 10 points, identify this philosopher who wrote *On the Plurality of Worlds*.

ANSWER: David **Lewis**

3. The victors in this battle were accompanied by Arnold Amalric, the archbishop of Narbonne, who wrote several letters describing the victory. Another account claims that the tent of the losing army was surrounded by a human wall of ten thousand slaves and a bunch of iron chains which were cut. The victors used an obscure mountain pass marked by the skull of a cow, shown to them by a local shepherd, who escorted the vanguard under Diego Lopez de Haro through the pass. The winning force was avenging the “Disaster of Alarcos,” which necessitated this campaign. They decimated the army under Miramamolin through a combined effort of Sancho VII, Pedro II, and Alfonso VIII of Castile. For 10 points, name this battle which crippled the Almohad Empire and marked a victory in 1212 AD for the Spanish Reconquista.

ANSWER: Battle of Las **Navas de Tolosa**

4. In Chapter 30of this work the Marshall Prince de Wissembourg tells a story about a man who eats glass in order to save his honor. That story is told after a character in this work discovers a letter written from a prison in Oran, where his uncle, Johann, has been arrested for a scheme to defraud the crown. This work’s final chapter, which ends with the declaration that “children cannot prevent the folly of parents in their second childhood,” depicts Agathe seducing the purportedly reformed Baron. Upon hearing that her beloved, a struggling sculptor, is engaged, the main character entreats Grasset to arrest him for debt. When Hortense and Steinbock, marry anyway, it is left up to the opportunistic Mme. Marneffe to break up the union at the title character’s behest. Ultimately the Hulot family is ruined by Adeline’s family relation. For 10 points, identify this work centering on the scheming Lisbeth Fischer, a novel by Honore de Balzac.

ANSWER: ***Cousin Bette***

5. Manann’an is a 30 kilometer crater on it, from an impact that penetrated dark terrain to reveal brighter material. A region consisting of hummocky terrain with blocks several kilometers across, known as the Conamara Chaos, suggests that its outer layer is only a few hundred meters thick in places. For the most part, its surface has high albedo and is smooth, broken by lenticulae and lineae. Relatively few craters suggest a surface younger than 50 million years. Magnetometer measurements indicate its internal magnetic field changes over time, suggesting that it has a conducting layer, which may be a salty liquid ocean beneath its icy surface. These measurements were carried out by the Galileo spacecraft. For 10 points, what is this smallest of the four Galilean moons of Jupiter?

ANSWER: Europa

6. Wilfrid Holme, a contemporary writer, noted that the participants in this incident often sang songs from the prophecies of Merlin and carried a large banner showing the five wounds of Christ. It was born out of anger that had broken out two weeks earlier with an attack on John Meneage and its rapid growth led the Pope to grant legatine powers to Reginald Pole to lead it. Those involved met at Pontefract to organize their demands, which would not be met resulting in Bigod’s Insurrection one month later. The assumed leader, Robert Aske, was tricked by the Duke of Norfolk and he was executed as a result. Among other things, those involved wanted the repeal of the Ten Articles, the removal of Thomas Cromwell, and the reestablishment of papal authority. For 10 points, identify this 1536 rebellion against Henry VIII, named for the presumably sacred journey undertaken by the participants

ANSWER: **Pilgrimage of Grace** (or **Yorkshire Uprising of 1536**; accept equivalents for uprising)

7. This play’s second act begins with reflections on Shelley’s verse and features a speech deriding a poet’s responsibility to the people. That speech is interrupted when one of the main characters hears a “tappin’” that portends death. Later in the play a distraught wife complains that her husband never returned to Hilljoy Square from the Blue Lion pub. During the first Act, Mr. Gallogher seeks out the protagonist and reads him a complaint letter to Mr. Dwyer, while a young man assures him that he awaits the call to action. However, when the Auxiliary arrives, it is neither Tommy Owens nor the meek title character that put up any resistance. Instead the most courageous tenement residents turn out to be the verbose Mrs. Henderson and the doomed Minnie Powell. For 10 points, identify this tragicomic play about Donal Davoren, who pretends to be the titular IRA assassin; a work by Sean O’Casey.

ANSWER: ***The Shadow of a Gunman***

8. RANKL and M-CSF can promote the transdifferentiation of osteoclasts into this cell type. Their namesake grabbing non-integrin protein promotes their interaction with ICAM-3 receptors. Steinman and Cohn first identified them in Mishell-Dutton culture. Subtypes of these cells include the plasmacytoid and follicular classes, while another subtype possess Birbeck granules, are found in the epidermis, and are called Langerhans cells. These immune cells are capable of cross-presentation of MHC-1-antigen complexes from other cells, and this type of cell can be pre-incubated with antigen and used as a vaccine. Unlike macrophages and lymphocytes, these MHC-2-expressing cells can activate both helper AND naïve T cells. FTP, name this class of antigen-presenting cells named for their branching pseudopods which resemble a type of neural structure.   
TOSSUP:  **dendritic** cells

9. Hungarian artist Istvan Orosz recreated an experiment in perspective by this man in a 2000 installation using a sheet and a mirror. He had a large ship named *Badalone* built to transport many of his supplies, but the ship sank on its first voyage nearly bankrupting him. Visual representations of him are scarce and include his portrait in Donatello’s *Beardless Prophet* and a presumed appearance in Masaccio’s *Resurrection of the Son of Theophilus*. His own works include his first commission, the so-called Hospital of the Innocents, and his last, the Pazzi Chapel. However, his fame rested on solving a problem that had confounded Arnolfo di Cambio 120 years earlier. For 10 points, name this man who won the right to design the dome of the Florence Cathedral seventeen years after finishing second to Ghiberti in the contest to design the second doors of the Florentine Baptistery.

ANSWER: Filippo **Brunelleschi**

10. This politician was infamously presented with a leather jacket as a gift by the musician Udo Lindenberg, and in return, he gave Lindenberg a medieval wind instrument called a shawm - a fitting gift given his longtime opposition to rock and roll. As a result of his terminal cancer, he was allowed to live with his daughter Sonja in Chile instead of standing trial for treason. The artist Dmitri Vrubel lampooned this leader by depicting his notoriously passionate kiss with Leonid Brezhnev, which occurred after he came to power by securing the downfall of Walter Ulbricht. Eventually succeeded in his office by Egon Krenz, for 10 points, name this man who served from 1971 to 1989 as the Socialist head of state in East Germany.    
ANSWER: Erich **Honecker**

11. Along with the yidam and the cheuchong or guardians, this term is given to one of the "three roots" of Buddhism, and is held to thaw out the frozen places within one's heart. One figure with this title wrote a work called "The Golden Rosary" and was named Taranatha - that one founded the Kuren monastery in the 16th century, and was followed by successors at Urga. These figures are often given the honorific title of rinpoche, or "precious one," when they achieve the status of tulkus. They belonged to an order of Tsong-Kha-Pa known as the Yellow Hats, a branch of the Gelugpa school. One of them traditionally sat at the Tashilhumpo Monastery, while another once resided at the Potala Palace, until his exile after the uprising at Lhasa. For 10 points, name this religious office of Tibetan Buddhism, represented by the Panchen and Dalai ones.

ANSWER: **lama**s

12. The process in which two objects scatter by radiating virtual photons that combine into an electron-positron pair is named for Walter Heitler and this physicist. The one-dimensional Heisenberg spin chain can be solved by factorizing general n-body scattering processes into two-body scattering processes, as described by his namesake ansatz. His name, along with that of Felix Bloch, is attached to a formula for energy loss of charged particles in matter. Bound states in relativistic quantum field theory can be studied using an integral equation developed by Edwin Salpeter and him. He postulated that stars are driven by nuclear reactions converting hydrogen to helium. For 10 points, name this Cornell physicist who worked on the Manhattan Project and calculated the Lamb shift.

ANSWER: Hans Bethe [accept Bethe-Heitler process before Heitler’s name is read]

13. It introduced the term “false personalization” and analyzed *Mr. Belevedere* films in its chapter on “the problem of competence.” In a subsequent edition, its author acknowledged the critiques made in “Work and Its Discontents,” by William Bell, who noted that too much of it concerned leisure. Such a focus is exemplified by this work’s discussion of society’s interest in food from “the Wheat Bowl” to the “Salad Bowl,” as well as a section on how the “the night shift” and the entry of women into the office impacted the consumption of popular culture. Its composition arose out of an interdisciplinary course on “Culture and Personality” developed at the University of Chicago. That research culminated in this collaboration with Reuel Denney and Nathan Glazer. For 10 points, identify this work that posited a distinction between inner and outer directed types and was subtitled “A Study of the American Character,” by David Riesman.

ANSWER: ***The Lonely Crowd***

14. The defeat of one country in this set of conflicts led one of its citizens to publish the *Illustrated Gazetteer of Maritime Countries* advocating military upgrades. In between them the losing country was forced to the ban the Spanish dollar and switch to the Mexican dollar before finally issuing paper currency. The final one was marked by the collaboration of forces under James Bruce and Baron Gros, such as in the capture of the Taku forts. They were marked by the so-called period of “Unequal Treaties,” referring to such agreements as the treaties of Whampoa and Bogue. One included an early blockade of the Pearl River and the other was set off by the storming of the *HMS Arrow*. For 10 points, name these conflicts concluded by the treaties of Tientsin and Nanking, which were fought over the namesake substance between France and Britain and China.

ANSWER: the **Opium Wars** (accept **Anglo-Chinese Wars** before the word “substance” is mentioned)

15. This writer compares a fruit’s tough exterior to that of a fallen Amazon warrior in “The Pineapple,” and depicts an artist “losing all she had,” in “The Ballerina.” In addition to two poems “in praise of sand,” this author of “The Voice of Elqui” also wrote critical studies of Alfonsina Storni and Alfonso Reyes and looked to religion for subject matter in such works as “The Song to St. Francis” and “Motifs of the Passion.” This author’s second collection of poems, includes such works as “Children’s Hair” and “The Rural Schoolteacher,” and was inspired by the suicide of her lover Romelio Ureta. That work was followed by such volumes as *The Mothers’ Poems* and a long work about her homeland, *Poem of Chile*. For 10 points, identify this author of *Ternura*, *Desolacion*,and the *Sonnets of Death*.

ANSWER: Gabriela **Mistral** or Lucilla Godoy **Alcayaga**

16. The disruption of one of these in a common kinase G-loop structure mediates the phenotype of WeeB mice and appears to inhibit imatinib binding in E255K Bcr-Abl mutants. Gas-phase zwitterions can be stabilized either by charge solvation or by these interactions. The Bohr effect is mediated by the formation of one of these between a histidine and an arginine in deoxyhemoglobin, and in the heptad repeats of coiled coils, these are formed between e and g residues. This type of bond shares its name with a structure that may consist of a glass tube filled with sodium nitrate. For 10 points, name this term that describes either an electrostatic interaction between oppositely charged moieties of a macromolecule or the structure that connects the oxidative and reductive halves of a galvanic cell.

ANSWER: **salt bridge**s (the macromolecular ones are less commonly called **salt link**s; I’d be inclined to accept that at any point)

17. One program established by this legislation was headed a man nicknamed “Old Iron Pants.”  John Dickinson drafted one version of what would eventually become this bill, and Jonathan Alter argues that it was partially written to kill a Hugo Black-sponsored bill mandating a 30 hour work week.  Pat Harrison and Bennett Champ Clark tried to water down provisions in its contentious Section 7[a], which like the earlier Norris-LaGuardia outlawed yellow dog contracts.  It urged the public to sign on to the slogan “we do our part” and mandated open price filing.  After its initial enactment, minimum wages were required by the president's “blanket code.”  It prompted the formation of an agency governed by Hugh Johnson and represented by a Blue Eagle, although Title I of it was struck down in the *Sick Chicken Case*.  For 10 points, name this New Deal legislation that created the WPA and NRA.

ANSWER: **N**ational **I**ndustrial **R**ecovery **A**ct [or **Act of June 16, 1933**; do not accept "National Recovery Administration" or "NRA"]

18. One figure by this name was given a shield by Ragnar Lodbrok decorated with four scenes, including Thor’s fishing of the Midgard Serpent. In the *Lokasenna*, this figure offers an arm-ring, a sword, and a horse as a gesture of peace, but Loki responds that he can’t have these items because he’s such a coward in battle, which prompts this figure to shout that he'd decapitate Loki if they were not in Aegir's hall. Often referred to as “long-bearded,” this figure along with Hermod is said to welcome the king Hakon the Good at Valhalla. Slain kings are honored by drinking from a cup named after this figure, and this husband of Idun was said to have a tongue carved with runes. For 10 points, name this most gifted poet in Norse myth.

ANSWER: **Bragi** (accept Bragi Boddason the Old before arm-ring)

19. In one section the narrator discusses the feud between the “Romanian agitator” and the “Polish agitator” for the favor of a man who imports his Jockey Club cologne from New York. In another scene a young captain apologizes for spurring on a horse that a teacher was riding. The main character reflects on her love of fine lace and the reality that this affinity puts her at odds with the workers whose struggle she supports. By the end, Eugenio had died in prison after taking all of the tablets. It opens as an Indian maid named Lupe lets the protagonist know that the guitar playing revolutionary leader, Braggioni, awaits her arrival. Published in 1930, it is set in Mexico and centers on young American woman named Laura. For 10 points, identify this short story named for the scarlet blossoms of the title tree, a work by Katherine Anne Porter.

ANSWER: “**Flowering Judas**”

20. During the course of this work the harmony moves steadily up, from D minor, up to E, and then F. It ends with a death wish and a recapitulation of the refrain, “O, my heart is sad, my rest is o’er.” Its climax, accompanied by a fortissimo ascent to B flat major, occurs during the memory of a kiss, at which point the insistent piano accompaniment stops short for a moment, before it begins again. Composed one year before another of its composer’s Goethe-inspired works, *The Elf-King*, this work is set in a room by a window where an enraptured girl waits while her foot rises and falls on a pedal. For 10 points, identify this lied that depicts a *Faust* heroine dreaming of her love as she manipulates the title object, a work by Franz Schubert.

ANSWER: ***Gretchen at the Spinning Wheel*** or ***Gretchen am Spinnrade***, D. 118 (Opus 2)

21. A common feature of hydration-promoting catalysts, such as chlorotris(triphenylphosphine)rhodium, Wilkinson’s catalyst, is the adoption of this molecular structure. Hoogsteen pairing gives rise to complexes with this configuration which are composed of hydrogen-bonded guanines stabilized around a potassium cation. The central atoms in these compounds usually possess the d8 electron configuration, and, as in octahedral compounds, the kinetics of substitution reactions in compounds with this type of geometry are strongly influenced by the trans ligand. An exemplary compound exhibiting this geometry is cisplatin. For 10 points, name this type of molecular geometry characterized by two nonbonding and four bonding electron pairs, in which the four substituents are situated ninety degrees apart on the same plane as the central atom.

ANSWER: **square planar**

22. This politician collected his public speeches in a volume entitled *Live Questions*, which he carried with him on campaign tours – it included his short treatise on crime entitled *Our Penal Machinery and its Victims*. In one office, he hired Florence Kelley as the first Chief Factory Inspector, while his earlier service as a judge saw him notably overturn the convictions of Oscar Neebe, Samule Fielden, and Michael Schwab. After that, he protested the actions of Attorney General Richard Olney as unconstitutional after Olney sent in federal troops under authority of Grover Cleveland to keep peace in this man's home state just after the Pullman Strike. For 10 points, name this man who drew fire for his handling of the Haymarket Square Riot after being elected governor of Illinois of 1892.

ANSWER: John Peter **Altgeld**

23. Romare Bearden's painting *Blue is the Smoke of War, White the Bones of Men* is named for a poem by this author. This poet asked "When shall I reach the top and hold all mountains in a single glance?" in his poem "A View of Taishan." In another of this author's poems, a soldier asserts that "the frontier posts run with enough blood to fill an ocean / and the war-loving Emperor's dreams of conquest have still not ended" after Xian-yang bridge is covered with dust kicked up by the title objects, which "rumble and rattle." In his home country, this author is known by the epithets *Shīshèng* and *Shīshǐ*, which translate to "sage poet" and "poet historian." He wrote war poems such as "A Song of Chariots" after being captured by rebels during the An Lu-Shan rebellion. For 10 points, name this Confucian Tang Dynasty poet who wrote many poems about his friend Li Po.

ANSWER: **Du Fu** [or **Tu Fu**]

**Editors Round 5 Bonuses**:

1. Answer the following about the wise Trojan Antenor, for ten points each.

[10] Antenor was the father of this Trojan priest, whose attempt to warn against bringing horses into the city was soon silenced by a pair of snakes from Tenedos.

ANSWER: **Laocoon**

[10] Antenor was sent on a failed mission to demand the return of Hesione, who'd been given as a prize to this man by Hercules. This man was the father of Teucer by way of Hesione.

ANSWER: **Telamon**

[10] Antenor committed treason and helped the Greeks because he hated this man. After the death of his older brother Paris, this prince married Helen, though she betrayed him in favor of Menelaus. Athena took this man's guise in convincing Hector to fight.

ANSWER: **Deiphobus**

2. One expedition led by this man discovered Independence Fjord.  For 10 points each:  
[10] Identify this author of *Secrets of Polar Travel* whose distinction of being the first man to reach the North Pole was tempered by a false claim that he did so after Frederick A. Cook.  
ANSWER: Robert Edwin **Peary**  
[10] This man launched the Crocker Land Expedition in search of an eponymous mirage that Peary saw. He was also an early pioneer of using radios and airplanes in Arctic exploration and wrote *Etah and Beyond*.  
ANSWER: Donald Baxter **MacMillan**

[10] Many of Peary's journeys were sponsored by Morris Ketchum Jesup, who served as Vice President to this man in the early years of the Society for the Suppression of Vice in New York.   
ANSWER: Anthony **Comstock**

3. Phylogenetic trees can be used to establish evolutionary relationships between organisms. For 10 points each:  
[10] The relatively rapidly mutating genome of this “powerhouse” organelle, which contains cristae and produces ATP, is useful for constructing intraspecies phylogenetic trees, which require highly variable sequences.

ANSWER: **mitochondrion** (accept word forms)  
[10] One factor that can confound phylogenetic tree construction is this phenomenon, in which organisms receive genetic material from other species. Mechanisms for this process include phage infection and plasmid acquisition.

ANSWER: **horizontal** or **lateral** gene transfer  
[10] Phylogenetic trees have yielded conflicting evidence about eukaryotic cladogenesis, with some evidence indicating that alveolates belong in the Chromalveolata supergroup, while other evidence suggests that they group with *Rhizaria* and heterokonts in this other supergroup.

ANSWER: **SAR** supergroup (I suppose you can accept **s**tramenopile/**a**lveolate/**r**hizaria supergroup)

4. This character left Port Warwick, Virginia, to attend Sweet Briar, and eventually married the struggling artist Harry Miller, for 10 points each:

[10] Identify this woman whose sister Maudie, a cripple, died at twenty, and whose parents, Milton and Helen, have an exceedingly unhappy marriage. She eventually kills herself by jumping off a skyscraper New York City.

ANSWER: **Peyton** Loftis (prompt on last name)

[10] Peyton Loftis’ suicide and its aftermath are explored in this 1951 novel.

ANSWER: ***Lie Down in Darkness***

[10] *Lie Down in Darkness* was written by this man, also responsible for *The Confessions of Nat Turner*.

ANSWER: William **Styron**

5. A brief paraphrase of this work can be found at the end of its composer’s *Symphony No. 7*, For 10 points each:

[10] Identify this work that depicts an old woman dancing with the spirit of her recently deceased husband. Its composer’s Opus 44, it was written to accompany a play written by its composer’s brother in law called *Death*.

ANSWER: ***Valse Triste*** or ***The Sad Waltz***

[10] *Valse Triste* was composed by this man, whose other works include the *Karelia Suite* and the *Swan of Tuonela*.

ANSWER: Jean **Sibelius**

[10] This Sibelius work for orchestra, was written at the suggestion of conductor Robert Kajanus and is carried along by a rhythmic theme for woodwinds. Its name is derived from the Swedish, rather than the Finnish, and means “A Fairy Tale.”

ANSWER: ***En Saga***

6. For 10 points each, questions about mathematics.

[10] It states that asymptotically, the function pi of x that counts how many of the namesake integers exist below a given x is of the order x divided by the log of x.

ANSWER: prime number theorem

[10] A stronger result about the distribution of prime numbers would follow from this conjecture, which states that the nontrivial zeroes of the zeta function should lie on the critical line with real part 1/2.

ANSWER: Riemann hypothesis

[10] One approach to the Riemann hypothesis is to find a self-adjoint operator for which these quantities are real and related to the zeroes of the zeta function. If a matrix can be diagonalized, these are the numbers on the diagonal.

ANSWER: eigenvalues

7. Name these people who ruled Athens for various periods in its history, for 10 points each:

[10] The Thirty Tyrants were led by this orator and namesake of a Platonic dialogue, who outmaneuvered Theramenes before being himself ejected by Thrasybulus’ revolt in 403 BC.

ANSWER: **Critias**

[10] During the wars after Alexander’s death, the Macedonian Cassander installed this Peripatetic philosopher as his client ruler in Athens, after which he was ejected by a namesake usually surnamed *Poliorcetes* or “the Besieger.”

ANSWER: **Demetrius of Phaleron**

[10] In the 80s BC, Athens made the mistake of siding with this king of Pontus, who was fighting the first of his three major wars against Rome: in the course of this war, Sulla captured Athens from this king’s forces.

ANSWER: **Mithradates** VI Eupator

8. It ends, “O the Omega! The violet ray of his eyes!” For 10 points each:

[10] Identify this 1871 work, written in the Petrarchan style. It assigns a different color to each of the title entities and helped to popularize synesthesia among the Symbolists.

ANSWER: **“Sonnet of the Vowels”** or **“Sonnet des Voyelles”**

[10] The “Sonnet of the Vowels” was written by this Frenchman, who also wrote the 1873 collection *A Season in Hell*.

ANSWER: Arthur **Rimbaud**

[10] This collection by Rimbaud was first published in its entirety in 1886. It consists of 42 poems, including such pieces as “Beauteous Beings” and “Barbarian,” and usually begins with the work “After the Deluge.”

ANSWER: ***Illuminations***

9. Name these things about an art movement that developed from the High Renaissance, For 10 points each:

[10] Though far from uniform, this movement focused on intricate poses of the human form in exaggerated and often unrealistic settings as well as occasionally garish colors. Artists associated with it included Parmigianino and Pontormo.

ANSWER: **mannerism**

[10] An offshoot of mannerism, this school was associated with the court of Francis I and was spearheaded by two Italians, one of whom was Primaticcio. It was typified by crowded mannerist style compositions which incorporated extensive stucco work.

ANSWER: School of **Fontainebleau** or *Ecole de* ***Fontainebleau***

[10] The other leader of the School of Fontainebleau was this artist whose major works include *Moses and the Daughters of Jethro* and his *Deposition* or *Descent from the Cross* altarpiece, which can be found in the Tuscan town of Voltera.

ANSWER: **Rosso** Fiorentino or Il **Rosso** (or Giovanna Batista di **Jacopo**)

10. After he was bound and burned at the stake, his executioners had to stab him when the fire wouldn’t affect him, for 10 points each:

[10] Identify this Christian bishop from Smyrna who wrote a notable *Letter to the Philippians* and whose life is retold in such sources as Irenaeus’ *Against Heresies*.

ANSWER: **Polycarp**

[10] Polycarp was considered one of the three Apostolic Fathers alongside Clement of Rome and this man, who was also known by the epithet “God Bearer” or *Theophorus*.

ANSWER: **Ignatius** of Antioch

[10] While Anicetus was Bishop Polycarp visited Rome in order to discuss the timing of this major religious holiday, which celebrates the day Jesus was resurrected from the dead on the third day after his crucifixion.

ANSWER: **Easter** Day or **Easter** Sunday

11. Meso compounds have more than one atoms that act as these. For 10 points each:

[10] Name these points within a compound at which different enantiomers have different absolute configurations.

ANSWER: **chiral center** or **stereogenic center**

[10] Chiral centers are labeled R or S by ranking the substituents attached to them in this system of rules, one of whose namesakes also devised a rule to predict the enantioselectivity of reactions with ketones.

ANSWER: **Cahn Ingold Prelog** or **CIP** priority rule or system or convention

[10] In this NMR-based method for determining enantiomeric ratios in chiral alcohols or amines, the chiral compound is reacted with this technique’s namesake acyl chloride, MTPA-Cl.

ANSWER: **Mosher**’s method

12. Despite the claim of the son of her sister Hedvig Sophia, she assumed the throne. For 10 points each:

[10] Name this woman who ruled as queen of her country after the death of her brother, before abdicating in favor of her husband, who would rule as Frederick I until 1751.

ANSWER: **Ulrica Eleonora** or **Ulrica Leonora**

[10] Ulrica Eleonora was the sister and successor of this Swedish king, who for a time lived in Turkey after being decisively defeated by the Russians in 1709.

ANSWER: **Charles XII** or **Karl XII**

[10] For Frederick I’s rule and some years afterwards the *riksdag* was dominated by these two political parties, one of which assumed control of parliament in 1738 before giving way to the other in 1765.

ANSWER: **Hats and Caps** (or ***Hattarna* and *Mossorna***)

13. It ends with Chapter 9, “What is Man?,” and much of the middle of the book is concerned with the problem of punishing persons to effect change, for 10 points each:

[10] Identify this 1971 work that posits behavior modification as the key to overcoming the limitations of the title concepts.

ANSWER: ***Beyond Freedom and Dignity***

[10] This psychologist wrote *Beyond Freedom and Dignity*.

ANSWER: Burrhus Frederic **Skinner**

[10] Skinner’s work was anticipated by this other psychologist whose work including *Mathematico-Deductive Theory of Learning* and *Principles of Behavior* demonstrated that his theories could predict and control behavior.

ANSWER: Clark Leonard **Hull**

14. Published between 1848 and 1850, its title character’s engagement to Blanche Amory ends after she abandons him to marry the brewer Harry Foker, for 10 points each:

[10] Identify this novel, detailing the coming of age of a young man named Arthur whose adventures include getting kicked out of Oxford and editing the “Pall Mall Gazette.”

ANSWER: *The History of* ***Pendennis***

[10] *Pendennis* was written by this author of *Barry Lyndon* and *Vanity Fair*.

ANSWER: William Makepeace **Thackeray**

[10] In the same year that he published the last installment of *Pendennis*, Thackeray also published this humorous sequel to *Ivanhoe*.

ANSWER: ***Rebecca and Rowena***

15. Divided into twenty sections with titles like “On refuting their statement that the existence of the First is simple” and “On refuting their doctrine of the world’s past eternity,” it ends with an argument that modalities only exist in the mind, for 10 points each:

[10] Identify this philosophical treatise that posited a theory of causation based on occasionalism and sought to prove the epistemological hubris of the title figures. It was written by Abu al-Ghazali.

ANSWER: ***The Incoherence of the Philosophers*** or **Tahâfut al-falâsif**

[10] *The Incoherence of the Philosophers* prompted this man to respond with his work *The Incoherence of the Incoherence*.

ANSWER: **Averroes** or **Ibn Rushd**

[10] Among those thinkers attacked in *The Incoherence of the Philosophers* was this man, whose own works, such as *The Virtuous City*, combined classic Aristotelian teachings with Neo-Platonic concepts like “the world soul.”

ANSWER: Abu Nasr Muhammad **al-Farabi**

16. Questions about the emergence of scaling behavior in long-distance physics, for 10 points each.

[10] This coarse-graining procedure involves integrating out “fast” or short-wavelength degrees of freedom to arrive at an effective description of long-distance physics. It loses information, and so is a semigroup, despite its name.

ANSWER: **renormalization group**

[10] Identical critical exponents in different systems are due to this, in which renormalization group flow drives different microscopic physics to the same IR fixed point. Feigenbaum discovered it in iterated dynamical systems.ANSWER: **universality** (accept **duality**)

[10] Along with Kadanoff, he pioneered the modern understanding of the renormalization group and critical phenomena, and applied it to the Kondo effect. He also developed lattice gauge theory.

ANSWER: Kenneth G. **Wilson**

17. Two brothers from this country move to New York City in Oscar Hijuelos' novel *The Mambo Kings Play Songs of Love*. For 10 points each:

[10] Name this Caribbean country, home to the author of *The Lost Steps* and *Explosion in a Cathedral*: Alejo Carpentier.

ANSWER: Republic of **Cuba**

[10] The masterpiece of Cuban literature may be this 1966 novel about the coming of age of Jose Cemi, written by Jose Lezama Lima.

ANSWER: ***Paradiso***

[10] Julian Schnabel directed the cinematic version of this Cuban's author's autobiography *Before Night Falls*. He wrote about the "secret history of Cuba" in his five-novel series *Pentagonia*.

ANSWER: Reinaldo **Arenas**

18. Name these things about the birth of English Common Law, for 10 points each:

[10] The notion of trial by jury was offered up by this first Plantagenet king, who also established the Royal Magistrate courts.

ANSWER: **Henry II** (or **Henry Curtmantle** or **Henry Fitz-Empress**)

[10] In 1164 Henry approved this set of 16 measures whose aim was to limit the privileges and power of the Church and its courts.

ANSWER: **Constitutions of Clarendon**

[10] Circa 1250 this man, a Judge of the Assize, produced a book of nearly 900 pages entitled *A Tract on the Laws and Customs of England*, explaining and commenting on the Common Law.

ANSWER: Henry of **Bracton** or Henry **Bracton** (or Henry **Bratton** or Henry **Bretton**)

19. The University of Chicago’s Reynolds Club is one example of Gothic Revival architecture. Name these things about wider-known examples, for 10 points each:

[10] A notable proponent of Gothic Revival architecture was Augustus Pugin who, while working with Sir Charles Barry, typified the style in the design for this structure on the north bank of the Thames rebuilt after an 1834 fire.

ANSWER: **Westminster Palace** or **Palace of Westminster** or **Houses of Parliament**

[10] A forerunner of the Gothic Revival style was this estate of Horace Walpole’s which was decorated in the Gothic tradition between 1747 and 1792.

ANSWER: **Strawberry Hill**

[10] The most prolific of the British Gothic Revival architects was this man who co-designed the Washington National Cathedral and designed dozens of churches in the U.K., including the Queens College chapel and All Saints’ church in Cambridge.

ANSWER: G(eorge) F(rederick) **Bodley**

20. In its introduction, this book asks the question “Is a legitimation of the social bond, a just society, feasible in terms of a paradox analogous to that of scientific activity?” For 10 points each:

[10] Name this work produced as a commissioned report. It borrows the concept of language games from Wittgenstein as a means of explaining discourse to define its title state as “incredulity.”

ANSWER: *The* ***Postmodern Condition****: A Report on Knowledge* [or *La* ***condition postmoderne****: rapport sur le savoir*]

[10] According to *The Postmodern Condition*, postmodernism is an unwillingness to accept these schemata central to previous Western notions of the world. These are abstract ideas that seem to define all of human history.

ANSWER: **meta-narrative**s [accept **grand narratives**]

[10] This meta-narrative-hating author of *The Postmodern Condition* later sought for a postmodern ethics in *Just Gaming* and *The Differand*.

ANSWER: Jean-Francois **Lyotard**