

Tossups

1. Francis Schuckardt and Daniel Brown founded a religious movement that takes its name from this period of time. Penalties imposed *latae sententiae*, or automatically, cannot be reversed during this period. The *Suscitabo Mihi* is a special votive mass that is said only during this period. This period of time is symbolized by a seal with a unique umbrella logo and it must last for at least fifteen days. The Major Penitentiary is one of two major officials who stays in office during this period, as apart from the Camerlengo all members of the Curia are dismissed. Traditionally, the beginning of this period was confirmed with a silver hammer. The Latin phrase “Extra Omnes”, or everybody out, is uttered during the locking ceremony for the meeting that ends this period, the Conclave. For 10 points, name this period during which the Catholic Church has no leader.

ANSWER: **Sede Vacante** [or **Vacant Seat**; or **Papal Vacancy**; anti-prompt on “Papal Conclave” or “Papal Election”]

2. George Onslow composed thirty-four of these pieces, including one depicting his recovery from being shot in the neck while hunting, which he nicknamed “The Bullet.” Anton Bruckner composed a D minor Intermezzo as a replacement for the scherzo movement of his only work of this type, which is in F major. Mozart composed six of these pieces, including a pair of them in C major and G minor given the K numbers 515 and 516. Nearly one hundred of these pieces, including *Night Music of the Streets of Madrid*, were composed by Luigi Boccherini, who wrote one in E major that features an often-performed minuet. The only one of these pieces by Schubert is in C major, and includes a second cello instead of the more common viola. For 10 points, name this type of piece that adds an instrument to a common chamber ensemble.

ANSWER: **string quintets** [prompt on “quintets”]

3. A key gene in humans that governs these processes is Arntl, which is a homolog of the *Drosophila gene cyc*. In *Drosophila*, Konopka and Benzer discovered the gene per, mutations in which can alter the duration of these processes. Errors in the protein TIM lead to an inability to respond to environmental cues called zeitgebers, which help entrain their associated behaviors. In humans, these processes are regulated by inputs from photosensitive ganglion cells in the retina that are passed to a structure in the hypothalamus. That structure, the suprachiasmatic nucleus controls these processes by sending signals to other hypothalamic nuclei and to the pineal gland to control the production of melatonin. For 10 points, name these approximately 24-hour cycles of behavioral and biochemical processes in organisms.

ANSWER: **circadian rhythms**

4. A red-faced character in this short story thinks of American women as “the hardest, the cruelest, the most predatory” women in the world. One of its characters quotes Shakespeare’s line “By my troth I care not; a man can die but once, we owe God a death” after seeing another character transform from a “four-letter man” into “a damn fire eater.” This short story begins with its main characters having lunch under a dining tent and pretending that nothing had happened. Its main character wakes up in the middle of the night to find his wife missing, and realizes that she’s sleeping with his guide Robert Wilson. The title character shows his cowardice by fleeing from a lion, but suddenly gains courage while facing down a buffalo. For 10 points, name this short story whose title character is shot by his wife Margot during an African safari, written by Ernest Hemingway.

ANSWER: “The **Short Happy Life of Francis Macomber**”

5. This author considered what Holocaust consciousness would do to German society in his essay “The German Question,” which appears in his collection *Conscientious Objections*. He argued that contemporary Western culture’s dependence on technology needs to be addressed by stressing historical education, an idea outlined in his book *Technopoly*. He extended this desire for historical perspective in his book *Building a Bridge to the 18th Century*. This man also advocated for an “open school” free of computers and set up the New Rochelle High School according to principles he discussed in *Teaching as a Subversive Activity*. He argued that the printing press allowed adults to keep secrets and that the advent of film and television caused the eponymous event in *The Disappearance of Childhood*. For 10 points, identify this cultural critic best known for his indictment of television in *Amusing Ourselves to Death*.

ANSWER: Neil **Postman**

6. Two forms of this lemma are connected by taking the inverse duality isomorphism and Hodge starring it with the exterior derivative of the same evaluated at a valid function, then noting that the result can be considered an exterior derivative of a compactly supported differential 3-form, and hence the topological result by this name applies. Since the Hodge star and exterior derivative can also be used to state the gradient and divergence, the so-called generalized theorem by this name implies Gauss' theorem and the gradient theorem, as well. The vector calculus result by this name reduces to Green's theorem for a plane curve. For 10 points, name this pair of theorems, according to the more specific of which the closed curve integral of a smooth vector field is equal to the normal surface derivative of its curl on and bounded surface.

ANSWER: **Stokes' theorems** [prompt on the **curl theorem**]

7. Aspagur I was the last pagan king to rule in what is now this modern-day nation. According to legend, a nun named Nino converted this nation to Christianity during the reign of King Mirian III. At the Battle of Didgori, the people of this modern-day nation defeated and expelled the Seljuk Turks. The medieval reign of Queen Tamar is generally considered this nation's golden age. This nation's Kingdom of Karti-Kakheti was annexed by Tsar Paul of Russia, ending a long dynasty of kings that included David the Builder, the House of Bagration. More recently, this nation's Rose Revolution overthrew the authoritarian rule of Gorbachev's former Foreign Minister, Eduard Shevardnadze, and this nation lost a 2008 war over South Ossetia. For 10 points, name this nation in the Caucasus whose capital is Tbilisi.

ANSWER: **Georgia** [or **Sakartvelo**; or **Iberia**; accept "Kartli" until mention]

8. An artist with this surname showed an infant Jesus holding a bunch of grapes in his *Virgin among Virgins* and depicted Jean de Sedano and his family on the outer panels of his *Virgin and Child Flanked by Two Angelic Musicians*. A sculptor with this surname included the allegorical La Patrie figure in the center of the pediment for the French Pantheon and depicted men like Giacomo Meyerbeer on bronze medallions, over 500 of whom can be found in a museum in his hometown of Angers. An early work by the best known man with this surname showed a kneeling Saint Roch pleading with Mary to help victims of the plague. It was the surname of a Netherlandish painter named Gerard, and a man who showed the title figure grieving in front of a statue that reads "A Roma" in *The Lictors Bring to Brutus the Bodies of His Dead Sons for Burial*. For 10 points, give this surname of the artist of the *Oath of the Tennis Court*, *The Intervention of the Sabine Women* and *The Death of Marat*.

ANSWER: **David**

9. This author wrote a play about a character who uses a telescope to monitor workers building the citadel Sans Souci and orders the artillery to blast away a peasant he catches napping. The protagonist of that play falls down and becomes paralyzed after seeing the ghost of murdered archbishop Corneille Brelle while celebrating the Feast of the Assumption at the Church of Lemonade. In another of his plays, the protagonist declines to meet with Ralph Bunche after the UN refuses to intervene in a civil war arranged by General Mokutu. This dramatist wrote a play in which the court jester Hugonin is appointed as the minister of public morality by a revolutionary who overturns president Pétion to become King of Haiti. This author of *The Tragedy of King Christophe* dramatized the assassination of Patrice Lumumba in his play *A Season in the Congo*. For 10 points, name this author from Martinique, a founder of Negritude along with Leon Damas and Leopold Senghor.

ANSWER: Aimé **Césaire**

10. One story says this deity was offended that the hermit Jappan left his family to make a home in the desert, so this deity got him turned into a scorpion by seducing him. The Florentine Codex claims that she slept with the planet Mercury, in his form as the solar deity Piltzin-tecuhtli. She wears a headdress with two spindles of cotton when she goes by the epithet Ixcuina, which hints at her origin as a Huastec goddess from the coastal region. Her most famous son was Centeotl, the god of maize, and she's capable of splitting into four sisters of different ages. She invented the sweat bathhouse called the temescal, which makes sense since she's a purification deity who absolves those who commit adultery. Often depicted with a bunch of black bitumen around her mouth, for 10 points, name this Aztec deity known as the "Eater of Filth."

ANSWER: **Tlazolteotl** [prompt on the "eater of filth" before mentioned]

11. A scaled, self-similar description of this entity is given by the ODE  $2f''' + f f'' = 0$ . A widely used approximate solution to the thermal problem in these flows gives the temperature as a gamma function in the streamwise coordinate. A parameter defining this region is given by the integral over the span of the difference between the free stream speed and the streamwise speed, all divided by the free stream speed; that parameter is known as the displacement thickness and appears in the aforementioned Blasius model. Proposed to resolve d'Alembert's paradox, these flows occur near no-slip surfaces, where large velocity changes induce viscous domination. For 10 points, name these regions of usually turbulent flow hypothesized by Ludwig Prandtl.

ANSWER: **boundary layer** flows

12. During the Permian, this modern continent was home to the saber-tooth mammal-like reptile *Gorgonops*, whose remains can be found in this continent's Karoo Basin. This continent's Tendaguru formation features fossils from the Late Jurassic, including the dinosaur *Kentrosaurus*, which are remarkably similar to the Morrison Formation fossils of North America. Other dinosaurs found on this continent include the giant predators *Carcharodontosaurus* and *Spinosaurus*. Ancient tools can be found on this continent at Cooper's Cave and Plovers Lake. During the Holocene, this continent had a "Wet Phase" which saw rock art and monoliths in areas that are now uninhabitable. A distinct type of stone-chopper tool is named for this continent's Olduvai Gorge, which was home to *Homo habilis*. For 10 points, name this continent where humans first evolved.

ANSWER: Africa

13. This dynasty lost the Battle of Gadara to King Odobas I. One ruler from this dynasty was pelted with citrons after pouring water on his feet during a ceremony, sparking a civil war. Supporters of this dynasty stoned a holy man who had the power to pray for rain, Honi the Circle-Drawer. A princess from this dynasty was allegedly preserved in honey by her husband for seven years after she committed suicide. The Roman general Marcus Aemilius Scaurus settled a succession dispute within this dynasty, but his decision was overturned by Pompey the Great, who sided with Hyrcanus II over Aristobulus II. This dynasty peaked under its sole female ruler, Salome Alexandra, who unlike most of its rulers could not also serve as Kohan Gadol, or High Priest. This dynasty lost power to Antipater the Idumaeon and his son, Herod I. For 10 points, name this royal dynasty in classical Judea that was founded by the Maccabees.

ANSWER: Hasmonean Dynasty [or Kashmona'im; prompt on "Maccabees"]

14. This book includes an abridged version of the dialogue *Hermotimus* in a chapter about a visit to Lucian of Samosata. The protagonist of this novel grows up in the estate White-Nights, and is later impressed by a lecture on morals delivered by Fronto. The fourth and final section of this novel is partially set at a peaceful villa run by Cecilia, and ends with its main character sacrificing himself to save his friend Cornelius. The protagonist of this novel has a spiritual epiphany at the Sabine Hills, presaging his attraction to Christianity. As a youth, its main character delights in reading *The Golden Ass* alongside Flavian, and becomes a Stoic while serving as an attendant to Marcus Aurelius. First published in 1885, it focuses on the maturation of the title sensitive Roman. For 10 points, name this philosophical novel by Walter Pater.

ANSWER: Marius the Epicurean: *His Sensations and Ideas*

15. Instruments used in this method are usually either 27.12 or 40.68 megahertz. It has been used non-analytically as a source for reactive ion etching. It has been combined with laser ablation techniques to allow for direct analysis of samples. This technique received USP approval in 2012 as a replacement for wet chemistry determinations of heavy metals and arsenic. Typical temperatures of the jet are 7000 to 10000 Kelvin, and the source is usually made of quartz and shaped to allow tangential flow of the rarefied gas. The typical use of argon in this technique makes it unsuitable for detection of nuclides with masses near that of argon and its excimers. The output of this technique is usually sent to an optical emission spectrometer or to a mass spectrometer. For 10 points, name this technique that uses time-varying magnetic fields to create a superheated jet of ionized gas.

ANSWER: Inductively-coupled plasma [or ICP]

16. Late in life, this man was put on trial for adultery after he allegedly had an affair with Elizabeth Tilton – allegations that were released to the public by Victoria Woodhull. This man's first published book, *Seven Lectures to Young Men*, warned against vices such as "strange women" and "amusements". In 1861, this man became the editor of *The Independent*. This man controversially said "the man who cannot live on bread and water is not fit to live" while criticizing striking railroad workers in 1877. This man's most notable action was conducted via the New England Emigrant Aid Society for the benefit of supporters of the Leavenworth Constitution. For 10 points, name this abolitionist preacher famous for arms trafficking to Kansas using boxes labeled "Bibles."

ANSWER: Henry Ward Beecher

17. A hoof wraps around a woman's leg in *Satyr and Nymph*, a work made from this material in the Nationalmuseum in Stockholm by Clodion. This material was used to create women with flying drapery and dramatic facial expressions in the Santa Maria della Vita by Niccolo dell'Arca. The International Exposition of 1878 was a high-water mark for demand for works made from this material from Tanagra. Another work in this medium is a frontal depiction of a goddess surrounded by two owls; the goddesses' three talons rest on lions and the piece is often called the Burney Relief. Vasari describes how white and colored tin was added to this material to create lunettes by Luca della Robbia. Along with wax, Bernini used it for *bozzetti* or sketches, and a larger number of figures made from this material were found in 1974 in Xi'an. For 10 points, name this material used to create hundreds of warriors buried with Emperor Shi Huangdi.

ANSWER: Terracotta [or earthenware or ceramics; prompt on "clay" or "fired clay"]

18. After attending this meeting, a lawyer named Lorenzo Bretano joined with a Polish general named Ludwik Mieroslawski to create a short-lived provisional republic, before fleeing to America where he became a Congressman from Illinois. Controversy struck this meeting when one of its members, Robert Blum, was arrested and executed at the request of the Austrian government despite technically having immunity. Anton von Schmerling resigned as Minister-President of this meeting after delegates decided to exclude Slavs and Hungarians. Delegates at this meeting proposed giving a delaying veto to both the head of state and head of government, and agreed on a set of basic rights that included the abolition of class privileges and capital punishment. This meeting's endorsement of constitutional monarchy led one proponent of divine right to reject its offer of an imperial crown, dooming it. For 10 points, name this failed attempt to create a unified Germany, an 1848 assembly at the namesake city on the Main river.

ANSWER: **Frankfurt Parliament** [or **Frankfurt Assembly**; or **Frankfurter Nationalversammlung**]

19. In one poem in this collection, a woman runs into the house of an English Consul to escape from the lust of the pursuing wind. Another poem in this collection is named for a group of men who impose “silences of dark rubber and fear of fine sand” and burn down a city while riding black horses with black horseshoes. A third poem in this collection describes how “a thousand glass tambourines wound the dawn,” and begins with its speaker proclaiming his desire for a woman in green in its opening line, “Verde que te quiero verde.” It begins with a poem in which a small child is carried away by the moon, and includes poems about a sleepwalker and the destruction caused by the Spanish Civil Guard. First published in 1928, it consists of eighteen poems which celebrate its author's native Andalusia. For 10 points, name this poetry collection about *gitano* culture, written by Federico Garcia Lorca.

ANSWER: **Gypsy Ballads** [or **Romancero Gitano**]

20. In the final section of this work's fourth book, the author resolves what he sees as a paradox in the ancient Greeks' attitudes towards music. In resolving another paradox that this work's author attributes to Bayle, this work argues for religion as having a “restraining motive.” This work argues that public debts “take the true revenue of the state from those who have activity and industry, to convey it to the indolent,” because raising taxes to pay debts raises the price of labour. In a book dedicated to crime, this work alleges that in Japan, almost all crimes are punished by death because they represent disobedience to the emperor, and uses this information to demonstrate how “excessive punishments may even corrupt a despotic government.” This work isolates honor, fear, and virtue as the motivating principles behind monarchic, despotic, and republican governments, and its 11th chapter argues that “there is no liberty if the judiciary power be not separated from the legislative and executive.” For 10 points, identify this work of political theory authored by Charles de Secondat, Baron de Montesquieu.

ANSWER: *The **Spirit of the Laws*** [or ***De l'esprit des lois***]

## Bonuses

1. Name these novels that have won the Prix Goncourt, for 10 points each.

[10] This novel by Andre Malraux tracks the lives of the revolutionary Kyoshi Gisors, the Soviet emissary Katow, and the smuggler Baron De Clappique during the failed communist revolt in Shanghai in 1927.

ANSWER: Man's Fate [or *La Condition Humaine*]

[10] The title character of this Marguerite Duras novel set in Colonial Vietnam is a teenage girl who has a torrid affair with a Chinese business magnate in his mid-thirties.

ANSWER: *The Lover* [or *L'Amant*]

[10] This 2009 winner by Jonathan Littell focuses on the fictional SS officer Maximilien Aue. Its seven sections are structured after a Bach suite, with each chapter named for a baroque dance.

ANSWER: *The Kindly Ones* [or *Les Bienveillantes*]

2. A series of these devices called Black Brants are widely employed for their high ceiling. These are generally meant to achieve elongated elliptic trajectories to maximize time near the apogee. For 10 points each:

[10] Name these launch vehicles for scientific payloads named for their ability to probe the upper atmosphere.

ANSWER: sounding rockets [or sounders; prompt on rockets]

[10] Sounding rockets are one of the few good ways to probe this middle layer of the atmosphere, home to noctilucent clouds. Its location between the more interesting and easier to reach thermosphere and stratosphere has lent it the nickname ignorosphere.

ANSWER: the mesosphere

[10] One interesting feature of the mesosphere is a 5 km thick layer abundant in this element. This element's D line is a common target for terrestrial probes and LIDAR directed at the mesosphere.

ANSWER: sodium [or Na]

3. Identify some creators of food-inspired works of art, for 10 points each.

[10] This Italian created the *Loves of the Gods* for the ceiling of the Galleria in the Farnese Palace, in addition to *Butcher's Shop* and *The Beaneater*. A red cloak is draped over the back of a donkey in his version of *The Flight into Egypt*.

ANSWER: Annibale Carracci

[10] Another scene of the Flight into Egypt can be seen in the background of *Butcher's Stall*, a painting by this Amsterdam-born artist and teacher of Joachim Bueckelaer.

ANSWER: Pieter Aertsen

[10] The title *Slaughtered Ox* hangs from a frame in a 1655 painting by this artist of *Aristotle Contemplating a Bust of Homer* and the *Anatomy Lesson of Dr. Tulp*.

ANSWER: Rembrandt Harmensz van Rjin

4. This strategy dates back to a 1921 proposal by Marine Corps Colonel Earl Ellis and was promoted in a 1923 book by Hector Bywater. For 10 points each:

[10] Name this strategy eventually adopted by the United States in the Pacific Theater of World War II, which ignored heavily fortified Japanese strongholds and focused on capturing less-defended areas that could be used as bases.

ANSWER: Island-Hopping [or Leapfrogging]

[10] This US Admiral led the Navy Fifth Fleet for many adventures in island hopping and was in command at the Battle of the Philippine Sea, also known as the Great Marianas Turkey Shoot. To confuse the Japanese, he alternated command with William Halsey.

ANSWER: Raymond Spruance

[10] The US Navy's victory at the Battle of the Coral Sea foiled this Japanese operation, whose goal was to capture Port Moresby in New Guinea and set the stage for an invasion of Australia.

ANSWER: Operation Mo

5. Zoroastrians engage in this practice to avoid disrupting the Holy Fire, and Jains engage in it to avoid killing flying insects. For 10 points each:

[10] Name this ritual, which many African tribes engage in to take on the identity of another person or hide their own identity.

ANSWER: wearing a **mask**

[10] Masks were traditionally worn by Buddhists performing this ritual, done to fend off beings called oni. In Islam, this ritual involves reading the Throne Verse and is done to foil Iblis.

ANSWER: **exorcism**

[10] In some Japanese villages, it is traditional to wear masks made to resemble these demon-like creatures, who are notable for their long, phallic noses and their red skin.

ANSWER: **Tengu**

6. Intranasal administration of this substance has been for its effects on empathy and trust. For 10 points each:

[10] First artificially synthesized by du Vigneaud, name this nonapeptide released by the pituitary which induces uterine contractions and the milk "let-down" response.

ANSWER: **oxytocin**

[10] This closely related pituitary nonapeptide influences pair bonding behavior in prairie voles, but its primary function is to regulate water retention.

ANSWER: arginine **vasopressin** or **AVP** or **anti-diuretic hormone** or **ADH**

[10] Pigs and their relatives use a variant form of vasopressin where arginine has been replaced by this other basic amino acid.

ANSWER: **lysine** or **K**

7. The speaker of this poem promises such things as "a gown made of the finest wool" and "a belt of straw and ivy buds with coral clasps and amber studs." For 10 points each:

[10] Name this pastoral poem by Christopher Marlowe, which begins "Come live with me and be my love." Walter Raleigh wrote a notable "reply" to it.

ANSWER: "The **Passionate Shepherd to His Love**"

[10] This poet responded to "The Passionate Shepherd to His Love" in his poem "The Bait." He also wrote the poem "Good Friday, 1613, Riding Westward," and preached his own funeral sermon, "Death's Duel."

ANSWER: John **Donne**

[10] The speaker of this Donne poem asks God to "pour new seas in mine eyes" in order to let him drown in his tears. Its speaker laments that "Black sin hath betrayed to endless night / My world's both parts," which consist of "elements, and an angelic sprite," and that "both parts must die."

ANSWER: "**I am a little world made cunningly**" [or **Holy Sonnet 5**]

8. Despite the Peloponnesian War appearing to be one, unitary conflict, it technically ended in 421 with the Peace of Nicias. For 10 points each:

[10] The cause of the ceasefire's dissolution was the disastrous Sicilian Expedition proposed by this herm-castrating wunderkind and demagogue, who carried the motion over the protest of Nicias himself.

ANSWER: **Alcibiades**

[10] Modern scholars use this term to describe the first stage of the Peloponnesian War, named for one of the Spartan kings who developed the strategy of intermittently ravaging the farmland of Attica.

ANSWER: The **Archidamian** War

[10] The final stage of the war started with the Spartan seizure of this fortress town in 413, which they developed into a permanent base, cutting off Athens from rural agriculture and their silver mines at Laurium.

ANSWER: **Deceleia**

9. This philosophical dispute is generally believed to have begun with one author's publication of his first work, titled *A Critical Exposition of the Philosophy of Leibniz*. For 10 points each:

[10] Identify this doubly-eponymous dispute between the philosopher and logician responsible for *The Philosophy of Logical Atomism* and his idealist contemporary, the author of *Appearance and Reality*.

ANSWER: Russell-Bradley dispute [accept either order]

[10] On Russell's side of the divide was this contemporary who disputed the proposition that "*esse is percipi*" in his "Refutation of Idealism" and argued that "good" could not be further defined in the *Principia Ethica*.

ANSWER: George Edward Moore

[10] Stewart Candlish at the University of Western Australia has argued against the myth, which he claims was perpetuated by Russell, that Bradley was an adherent of this theory of truth. Adherents of this theory of truth hold that the truth of a proposition is dependent on how well it meshes with other propositions.

ANSWER: coherence theory

10. In their usual physical context, this set of two equations relates the usual refractive index to the principle value of a contour integral involving the absorption coefficient, as both can be derived from the dielectric function. For 10 points each:

[10] Name these relations, which allow one to determine a system's absorptive response function from its elastic response function in frequency space, and vice versa.

ANSWER: the Kramers-Kronig relations

[10] The Kramers-Kronig relations for the optical properties of a medium work because the absorption coefficient has this relationship to the full index of refraction, which is analytic. In general, the sign of this quantity changes under complex conjugation.

ANSWER: the imaginary part

[10] The contour integrals in the Kramers-Kronig relations are restricted to non-negative frequencies due to this property of physical systems. In relativity, this property is roughly equivalent to no signal traveling faster than the speed of light.

ANSWER: causality [prompt on things like events from the future cannot change the present]

11. Sir Richard Squires resigned as Prime Minister of this country in 1923 following his arrest for corruption, but returned to power in 1928 when his successors proved even less popular. For 10 points each:

[10] Name this formerly independent dominion, which in 1949 became part of Canada.

ANSWER: Newfoundland

[10] This Canadian Prime Minister oversaw Newfoundland's entry into Canada. This Liberal served from 1948 – 1957. He is notable for establishing Canada on the international stage as a member of NATO and the United Nations.

ANSWER: Louis St. Laurent

[10] St. Laurent was defeated by this Conservative, who controversially ended Canada's domestic fighter jet industry.

ANSWER: John Diefenbaker

12. One member of this literary movement wrote the essay "The New Sentence" and collected its poems in the anthology *In the American Tree*. For 10 points each:

[10] Name this avant-garde poetic movement, whose members include Charles Bernstein, Lyn Hejinian, and Ron Silliman. It rejects traditional narratives in favor of experimental and fragmented syntax.

ANSWER: Language poetry [or L=A=N=G=U=A=G=E]

[10] Language poets took inspiration from this earlier American author, who wrote the Cubist poetry collection *Tender Buttons*. She also wrote the line "rose is a rose is a rose is a rose."

ANSWER: Gertrude Stein

[10] The Language poets were also inspired by this Objectivist, who wrote the sestina "Mantis" and the massive poem A.

ANSWER: Louis Zukofsky

13. Answer the following on heroes whose fathers may or may not have been divine for 10 points each.

[10] Since his mom Aethra really got around, Theseus is the son either this goat-like king, of Poseidon or, in an extremely kinky twist, some combination of both. This bad drunk secreted some sandals, sword, and shield under a boulder when he had to skip town to avoid semi-paternity suits.

ANSWER: Aegeus

[10] In one story, the Anzu bird grants the power to run at great speed to this father of Gilgamesh, who was sometimes said to be a god.

ANSWER: Lugalbanda

[10] Cúchulainn was the son of Deichtine and either Lugh or this man, the brother of Fergus mac Roich. He contrived to decapitate himself on his own shield.

ANSWER: Súaltam mac Roich [or Súaldaim; or Súaltach]

14. This composer's *Poetic and Religious Harmonies* includes his piece "Funerailles." For 10 points each:

[10] Name this composer of the Romantic era, whose three concert etudes include "Un sospiro." His third "Liebestraume" is part of the standard piano repertoire.

ANSWER: Franz **Liszt**

[10] Liszt's final piece of church music was a setting of this Marian hymn, which is traditionally sung at the death of members of religious orders. In the final act of Poulenc's *Dialogues of the Carmelites*, nuns sing this hymn while ascending the gallows.

ANSWER: "**Salve regina**"

[10] This piano piece in G sharp minor is the third and most performed of Liszt's *Grand Paganini Etudes*, and features many difficult long skips. Its melody comes from the final movement of Paganini's second violin concerto.

ANSWER: "La **Campanella**"

15. Kenneth Arrow analyzed the effect of this condition in the health insurance market in his paper "Uncertainty and the Welfare Economics of Medical Care." For 10 points each:

[10] Name this condition, in which gaps in knowledge influence the dynamics of transactions. George Akerlof illustrated it using used cars in his essay "The Market for Lemons."

ANSWER: **information asymmetry** [or **asymmetric information**]

[10] This technique, in which people voluntarily convey information about themselves, can help circumvent information asymmetry. For example, people in the job market do this by obtaining degrees from prestigious universities.

ANSWER: **signaling**

[10] This economist shared the Nobel with Akerlof and Joseph Stiglitz for his work on information asymmetry, signaling, and their effects on education and human capital, most notably in his paper "Job Market Signaling."

ANSWER: A. Michael **Spence**

16. Decisions made by this tribunal allowed large land-owners in Wales to consolidate their holdings and evict their tenants. For 10 points each:

[10] Name this tribunal created by Henry VII of England, used for cases involving high-profile individuals, later greatly abused by the Stuarts.

ANSWER: Court of the **Star Chamber**

[10] In 1637, the Star Chamber ordered this Puritan author and critic of Archbishop Laud to be branded on the cheeks with "SL" for "Seditious Libel" and have his ears cut off. He would later preside over the trial and execution of Laud.

ANSWER: William **Prynne**

[10] Other victims of the Star Chamber include John Lilburne, who became the leader of the Levellers during this set of debates within the New Model Army over what form of government to adopt.

ANSWER: **Putney** Debates

17. For 10 points each, name these characters from *One Hundred Years of Solitude*.

[10] This daughter of Santa Sofía de la Piedad drives men to suicide with her incredible good looks. She vanishes from the book when she suddenly ascends to heaven.

ANSWER: **Remedios** the Beauty

[10] Jose Arcadio eventually marries this orphan, who is adopted by the Buendia family when she shows up at their doorstep as a child. She compulsively eats dirt and contaminates Macondo with bouts of insomnia and memory loss upon her arrival.

ANSWER: **Rebeca**

[10] This enchanting character leads a band of gypsies who bring new technologies to Macondo. He inspires Jose Arcadio's interest in alchemy and science.

ANSWER: **Melquíades**

18. The diatomic compound of this element has one of the longest single bonds observed. For 10 points each:

[10] Name this halogen whose radioisotopes present a particular danger due to accumulation in the thyroid.

ANSWER: **iodine** [or **I**]

[10] Iodine is a cocatalyst in the Monsanto and Cativa processes, which both make this compound.

ANSWER: **acetic acid** [or **ethanoic acid**]

[10], Named for two chemists, this compound based on 2-iodoxybenzoic acid involves iodine in a 5-membered ring. It can oxidize primary alcohols to aldehydes and secondary alcohols to ketones.

ANSWER: **Dess-Martin** periodinane [or **DMP**]



19. The narrator of this novel joins an unusual group led by Dr. Robert Vaughan, who fantasizes about killing Elizabeth Taylor. For 10 points each:

[10] Name this 1973 novel by J. G. Ballard about people who have shared sexual fetishes about car accidents.

ANSWER: Crash

[10] *Crash* was adapted into a film of the same name by this Canadian director, known for the “body horror” of movies like *Videodrome* and *The Fly*.

ANSWER: David Cronenberg

[10] Cronenberg also directed this 1979 film about Hal Raglan, a therapist who performs “psychoplasms” on Nola Carveth, who is locked in a bitter custody battle with her husband Frank. Unfortunately, Raglan’s therapy causes Nola to give birth to a bunch of angry parthenogenetic children who attack the targets of her suppressed rage.

ANSWER: *The* Brood

20. While being driven insane by syphilis, this composer blamed Mahler for sabotaging his opera *Der Corregidor*. For 10 points each:

[10] Name this late 19th century Austrian composer who wrote celebrated collections of *Goethe-Lieder* and *Morike-Lieder*.

ANSWER: Hugo Wolf

[10] This conservative German conductor briefly got Wolf’s hopes up by agreeing to put on his symphonic poem *Penthesilea*, only to mock Wolf after the performance. He conducted the premieres of Tchaikovsky’s Violin Concerto and Elgar’s *Enigma Variations*.

ANSWER: Hans Richter

[10] In 1876, Richter conducted the first complete performance of Wagner’s Ring Cycle in this city’s opera house, which was specifically constructed in order to perform Wagner’s operas.

ANSWER: Bayreuth