

ACF Fall 2014: *Nemo auditur propriam derpitudinem allegans*

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Tossups

1. In a film from this country, an elderly couple travel by train to visit their children, but all of their children are too busy to spend any time with them, even after their mother dies. Another film from this country ends with the priest giving a baby to the woodcutter after the audience is given four accounts of a single murder. The director of that film from this country also adapted *Macbeth* and *King Lear* as *Throne of Blood* and *Ran* respectively, and directed a film in which the title group of characters are hired to defend a village from attackign bandits. For 10 points, name this country home to Yasujiro Ozu and Akira Kurosawa, who directed *Seven Samurai*.
ANSWER: **Japan** [or **Nippon**; or **Nihon**]
2. Practitioners of this faith believe that, after death, the soul is trapped in a particular natural location for a year and a day. In some areas, joining this faith involves a sacred head-washing ritual called *lave tet*, but the primary initiation rite is a secret ceremony called the *kanzo*. Ceremonial calabash rattles called *asson* are used by this belief's priests, who are themselves referred to as *houngans* or *mambos*. The creator god of this faith is called Bondye, and he is contacted through intermediary spirits called *loas*, examples of which include Papa Legba and Baron Samedi. For 10 points, name this Yoruban-influenced syncretic religion from Haiti.
ANSWER: **Voodoo** [or **Vodou**; or **Voudon**]
3. During this period, the policy of "The Changing" allowed one prisoner to be released for every three people who participated in the STO worker exchange program. The government of this period conducted the Vel d'Hiv roundup, which sent thousands to a camp at Drancy. Otto Abetz served as an ambassador during this period, which began after the failure of the Weygand line. The Appeal of June 18th was issued in this period, during which the Carlingue police force hunted groups like the maquis. During this period, the motto "Work, Family, Fatherland" was adopted by Pierre Laval. For 10 points, name this period in which Henri Philippe Petain ruled a puppet state in France.
ANSWER: **Vichy** France [or **German** occupation/invasion of **France**; or **Nazi** occupation/invasion of **France**; prompt on more general answers like World War II]
4. Part of this theory was upheld by the Frisch-Smith and Rossi-Hall experiments, which measured muon lifetimes. Because it predicts that one type of transformation is non-commutative, the Thomas correction must be added to a particle's precession. This theory allows for an additive alternative to speed called rapidity. Considering a rigid rotating disc using only this theory leads to the Ehrenfest paradox. Gravitational and inertial mass are the same according to its equivalence principle. This theory's "pole in the barn" thought experiment can be explained with Lorentz transforms and length contraction. For 10 points, name this theory, developed by Albert Einstein before its "general" counterpart.
ANSWER: **special relativity** [or **SR**; prompt on "relativity"; do not accept "general relativity"]

5. In a novel from this country, prisoners in John Thompson's concentration camp carry out a hunger strike, and after this country's independence, Mugo confesses that he was the traitor who betrayed a resistance fighter to the British. In another novel from this country, the teacher Munira burns down a brothel run by his former lover Wanja in the destitute town of Ilmorog. The novels *A Grain of Wheat* and *Petals of Blood* take place in this country during the Mau Mau uprising. In this home country of Ngugi wa Thiong'o, the Ngong Hills were home to a coffee plantation run by the Danish baroness Karen Blixen. For 10 points, name this country that is the setting of Isak Dinesen's memoir *Out of Africa*.

ANSWER: Republic of **Kenya**

6. A painting by this man appropriately includes a painting of the Last Judgement behind the title figure, who stands in front of and rests her left hand on a table that has several pearl necklaces and a large blue cloth on it. His paintings often have all of the light coming from a window in the upper left, and women depicted by this artist often wear blue and yellow clothes. This painter of *Woman With a Balance* depicted a large map behind a pregnant *Woman Reading A Letter*. He might have used Leeuwenhoek ["LAY-ven-hook"] as the model for his paintings *The Geographer* and *The Astronomer*. For 10 points, name this Dutch painter of *The Milkmaid* and *Girl With a Pearl Earring*.

ANSWER: Johannes **Vermeer** [accept other forms of "John" for his first name, like "Jan" or "Johann"]

7. In Book XIII of the *Iliad*, an overconfident Hector calls this man an "inarticulate ox." This man brings up the example of a man accepting blood money in his attempt to persuade Achilles to rejoin the Trojan War, which is delivered after Odysseus' and Phoenix's appeals. This man and Hector engaged in a duel that resulted in an exchange of a purple sash for a sword, with which this man committed suicide after he was denied the armor of Achilles. This man often partnered with his half-brother Teucer, who darted out of this man's protection to shoot arrows. For 10 points, name this huge son of Telamon who owned a shield made of seven oxhide layers.

ANSWER: **Ajax** the **Greater** [accept **Telamonian Ajax** until "Telamon" and prompt on it after; accept **Aias** in place of "Ajax"; prompt on "Ajax" or "Aias"]

8. Beverly Hall resigned as superintendent of this city's public schools after a 2011 report brought a widespread cheating scandal to light. In this city, the lynching of Leo Frank and the murder of Mary Phagan helped lead to the resurgence of the Ku Klux Klan in the early 20th century. The Civil Rights Act was upheld in a Supreme Court case that ruled a motel in this city could not discriminate against black customers. During the Civil War, William Sherman noted that this city was "ours, and fairly won," and used it as the starting point of his March to the Sea. Bombings during the 1996 Olympics shook, for 10 points, what capital city of Georgia?

ANSWER: **Atlanta**, Georgia

9. It is not produced by the thyroid gland, but this substance is transported by the transthyretin enzyme in the human body. An organism that was genetically engineered to produce this substance was transformed with the *crtl* and *psy* genes. Light converts the *cis* form of one of this compound's derivatives into its *trans* form, which causes a G protein to hyperpolarize a photoreceptor cell after the activation of rhodopsin. Animal sources of this vitamin provide it in the form of retinol, which is responsible for the toxicity of polar bear liver. For 10 points, name this fat-soluble vitamin which can be synthesized from beta carotene.

ANSWER: vitamin **A** [accept **beta carotene** or **retinol** before mentioned]

10. The national sport of this country, a form of wrestling derived from ancient Egyptian culture and Biblical principles, is called *trânta* and titles the first film by native son Anatol Codru. This country's Cahul district contains the city of Giurgiulești ["Gyur-gyu-LESH-ti"], which lies on a river that forms this country's western border, the Prut River. Following the 1806-1812 Russo-Turkish War, much of the land that would become this country was annexed as Bessarabia. Its second-largest city is Tiraspol, which is located on the eastern Dniester in the breakaway republic of Transnistria. For ten points, name this landlocked former Soviet republic which has its capital at Chișinău ["KISH-in-aw"].

ANSWER: Republic of **Moldova** [or Republica **Moldova**]

11. For main-sequence stars, this quantity raised to the 3.5th power gives an approximation for the luminosity. The Schwarzschild metric describes spacetime around a spherical body with only this quantity, and the no-hair theorem states that black holes can be characterized by angular momentum, charge, and this quantity. Gravitational anomalies led Fritz Zwicky to postulate dark matter and account for "missing" values of it. The standard unit of this quantity in astronomy is the "solar" one, whose value can be used to find the strength of the sun's gravitational field. For 10 points, give this quantity, which equals a star's density times its volume, and is often measured in kilograms.

ANSWER: **mass**

12. An army supposedly set sail for this battle after a traitor signaled them by flashing a shield in the sun. Before this battle, a general gave a speech beginning "With you it rests" to convince a colleague to break a five-to-five vote to fight or flee. Because this battle coincided with the Carneia festival, the Spartans did not participate in it. The polemarch Callimachus died at this battle, which was part of a campaign to punish Eretria and another city for supporting the Ionian revolt. Herodotus claims that after this battle, the messenger Pheidippides carried the news that Miltiades had defeated the forces of Darius the Great. For 10 points, name this 490 BCE battle that gives its name to a 26.2-mile race.

ANSWER: Battle of **Marathon**

13. Early in this story, it is explained that "gentlemen are not excluded" from a certain punishment dictated by "the liberal military code." In this story, the man on horseback who asks the protagonist's wife for a drink of water turns out to be a Union scout who convinces the protagonist to try to burn the title object. This story tells of its protagonist's swimming escape while shots were fired at him from above. That protagonist of this story blacks out as he is about to hug his wife and feels a sharp pain on his neck shortly before it is revealed he was indeed killed by hanging. For 10 points, name this short story about Peyton Farquhar, written by Ambrose Bierce.

ANSWER: "An **Occurrence at Owl Creek Bridge**"

14. A modification of an idea formulated by this theorist creates a framework involving foreclosure, diffusion, moratorium and achievement; that model was created by James Marcia. This man wrote psychologically-focused biographies of Martin Luther and Mohandas Gandhi. This thinker posited phases typified by "trust versus mistrust" leading to one involving "autonomy versus shame and doubt", and ending with "integrity versus despair," in his book *Childhood and Society*. In describing adolescence, this man coined the phrase "identity crisis." For 10 points, name this psychologist, who lends his name to an eight-stage model of psychosocial development.

ANSWER: Erik Homburger **Erikson**

15. One character in this play cruelly pretends to mistake her husband's aunt Julia for the maid, and becomes jealous when she realizes that her childhood friend Thea has fallen for the title character's ex-lover. A character in this play falls into despair when he loses the manuscript for his book, and compares it to losing his child. That manuscript is burned by the title character because its brilliance threatens the social position of her husband, George Tesman. The title character of this play gives Eilert Lovborg a pistol and convinces him to commit suicide, and also kills herself. For 10 points, name this play by Henrik Ibsen about a haughty and conniving general's daughter.

ANSWER: **Hedda Gabler**

16. The last movement of one of this composer's piano works begins with a measure of quickly repeated Es. That work by this composer includes a "Forlane" and a "Rigaudon" as well as that "Toccata." The last movement of his *Sonatine* is also in the style of a toccata. This composer wrote some of the most difficult piano pieces in the repertoire, including "Alborada del gracioso" from his *Miroirs* and "Scarbo" from his *Gaspard de la Nuit*. In one of his orchestral works, a melody first played by the flute just repeats over a constant snare drum rhythm. For 10 points, name this French composer of *Le Tombeau de Couperin*, *Pavane for a Dead Princess*, *La Valse*, and *Boléro*.

ANSWER: Maurice **Ravel** [or Joseph-Maurice **Ravel**]

17. This author described a discipline as "spaces of ordered and exploratory experience" and declares that "Don Quixote reads the world in order to prove his books" in a text that describes the "epistemes" of different generations. This author wrote about a concept that creates a form of individuality that is cellular, organic, genetic, and combinatorial. A book by this man rejects the "repressive hypothesis" and introduces the term "biopower" to describe state control over the bodies of individuals. This author of *The Order of Things* analyzed the Panopticon to explain the birth of the prison system. For 10 points, name this French author of *The History of Sexuality* and *Discipline and Punish*.

ANSWER: [Paul] Michel **Foucault**

18. The copper-catalyzed reaction between an azide and this group is fundamental to click chemistry and is called the Huisgen cyclo-addition. The formation of a di-bromo-alkene is an intermediate step in the preparation of this functional group from an aldehyde in the Corey-Fuchs reaction. A lead-poisoned palladium catalyst named for Lindlar can be used in the partial hydrogenation of this functional group. "Terminal" examples of these functional groups are *sp* hybridized, have one sigma and two pi bonds, and are sometimes named for the simplest one, acetylene. For 10 points, name this functional group containing a carbon-carbon triple bond.

ANSWER: **alkyne** [accept **acetylenes** until mentioned]

19. In one poem this author asserts "Never fear. We may let the scaffolds fall / Confident that we have built our wall." Another poem by him describes finding frogs' eggs that "sat / Poised like mud grenades." This poet reminisced about "hands peppered / With thorn pricks" and "palms sticky as Bluebeard's" and, in another poem, mentions his brother's burial in "a four-foot box, a foot for every year." This author of "Blackberry-Picking" and "Mid-Term Break" won a Whitbread Prize for his translation of a work partially set in King Hrothgar's Hall Herot. For 10 points, identify this Irish author of the collection *Death of a Naturalist* and a famed 1999 translation of *Beowulf*.

ANSWER: Seamus Justin **Heaney**

20. This empire used storehouses called *tambos* and built an advanced irrigation system at Tipon. This empire's founder legendarily emerged from a cave with a golden staff and seven siblings. Kings of this empire wore a royal tassel on their foreheads and ruled its four suyus from a city that was shaped like a mountain lion. A ruler of this empire defeated his brother at the Battle of Quipaipan and was executed despite filling the Ransom Room with gold after the Battle of Cajamarca. Hiram Bingham excavated this empire's ruined city of Machu Picchu. For 10 points, name this empire ruled by Atahualpa which was conquered by Francisco Pizarro, ending its control of modern-day Peru.

ANSWER: **Inca** empire [or **Tawantinsuyu**]

Extra

In the original printing of this poem, its author drew a tree on the right side of the page with its branches separating some of this poem's stanzas. The companion poem to this work mentions one given "clothing of delight" and "such a tender voice / making all the vales rejoice." The narrator of this poem asks if God smiled "when the stars threw down their spears / and water'd heaven with their tears." This poem's speaker asks "Did he who made the lamb make thee?", and it appears in its author's collection *Songs of Experience*. For 10 points, name this poem that describes the title creature's "burning bright / in the forests of the night," written by English poet William Blake.

ANSWER: "The **Tyger**"

A two-dimensional form of this technique is able to calculate the distance between two atoms of interest by making use of a phenomenon caused by cross-relaxation. Relating peak integrals in this technique can determine the number of atoms of each element in the compound being studied. Deuterated chloroform is a common solvent in this technique, in which tetramethylsilane is often used as a standard with a 0 ppm chemical shift. Both the carbon-13 and proton variants of this technique rely on the magnetic moments of atoms changing in response to a magnetic field. For 10 points, name this spectroscopic technique which relies on a phenomenon also used in MRIs.

ANSWER: **NMR** spectroscopy [or **nuclear magnetic resonance** spectroscopy; prompt on "spectroscopy"]

The narrator of a novel from this country repeatedly describes how his uncle, nicknamed "arhat," cursed his captors as he was skinned alive. That novel is set in a "northeast township" in this country, which is a common setting used by an author from this country who uses a pen name meaning "don't speak." In a novel set here, a military doctor travels to Goose Village every year for eighteen years to try to divorce his wife. This country's "scar" literature dealt with its economic devastation in the '50s and '60s, and it is the setting of the novels *Waiting* and *Red Sorghum*. A writer from this country won the 2012 Nobel Prize in Literature. For 10 points, name this home country of Ha Jin and Mo Yan.

ANSWER: People's Republic of **China** [or **Zhongguo**]

Bonuses

1. Identify the following about the life of James Wilson Marshall, for 10 points each.
[10] After participating in this 1846 rebellion, Marshall returned to his farm, only to find that all his cattle was stolen. This uprising began when settlers under William B. Ide captured General Mariano Vallejo and the town of Sonoma.
ANSWER: **Bear Flag** Revolt
[10] The Bear Flag Revolt took place in this state, where Marshall had moved to on advice from his doctor. John Fremont captured this state's city of Los Angeles in the Mexican-American War.
ANSWER: **California**
[10] After losing all of his cows, Marshall ran into some good luck when, in 1848, he found gold in the American River near a sawmill owned by this man.
ANSWER: John **Sutter** [or Johann Augustus **Sutter**]
2. This character's husband discusses her "hysterical pregnancy" with George. For 10 points each:
[10] Identify this character, who drunkenly vomits at the end of the first act of the play in which she appears.
ANSWER: **Honey**
[10] Nick and Honey are invited to hang out at their colleagues' house in this play, allegedly titled for a question the author saw written on a bathroom mirror.
ANSWER: ***Who's Afraid of Virginia Woolf?***
[10] *Who's Afraid of Virginia Woolf* is by this American author. In this author's *Zoo Story* Jerry and Peter talk on a Central Park bench, and Jerry ends up impaling himself on a knife held by Peter.
ANSWER: Edward **Albee**
3. One of this man's two surviving books is divided into sections like *Against the Arithmeticians*, *Against the Musicians* and *Against the Physicists*. For 10 points each:
[10] Name this second or third century philosopher and physician. His *Outlines of Pyrrhonism* is a comprehensive account of a philosophy that attempts to find an equally convincing counter-argument for any available argument.
ANSWER: **Sextus Empiricus**
[10] Pyrrhonism is a school within this broad philosophical belief, which generally questions the possibility of knowing anything for certain.
ANSWER: **skepticism** [or Pyrrhonian **skepticism**]
[10] Carneades led a contemporaneous school of skepticism with this name. It shares its name with an institution that Plato led in Athens, where Aristotle studied before founding the Lyceum.
ANSWER: the **Academy** [or **Akademia**; or **Academic** skepticism]

4. In one dimension, it says that $d^2\phi/dx^2 = 1/v^2 d^2\phi/dt^2$. For 10 points each:
 [10] Identify this second-order linear partial differential equation, which describes oscillations in a given space.
 ANSWER: **wave** equation
 [10] The wave equation can be used in one dimension to model the oscillations of these simple harmonic oscillators, which are also modeled by Hooke's Law.
 ANSWER: **springs**
 [10] Wave equations can sometimes be solved by making use of this function, which maps a function f to the integral of f times the exponential of $2\pi i x$ times the input of the new function.
 ANSWER: **Fourier** transform
5. This man is first encountered in his hunt for the Questing Beast. For 10 points each:
 [10] Name this father of Percival, who manages to shatter the Sword in the Stone during a duel. This man was tasked with retrieving a woman who was seized by a knight during Guinevere's wedding feast.
 ANSWER: King **Pellinore**
 [10] During the wedding feast, this brother of Gareth and Gaheris was tasked with retrieving a hart that appeared shortly before the woman's kidnapping. In a Middle English poem, he engages in a beheading game with Bertilak.
 ANSWER: **Gawain**
 [10] This husband of Guinevere received Excalibur after the sword he pulled from the stone was shattered, and he assigned Pellinore and Gawain their respective tasks during the wedding feast.
 ANSWER: King **Arthur** Pendragon
6. Identify the following about the conductor and composer Felix Weingartner, for 10 points each.
 [10] Weingartner made many orchestral arrangements, including one of Beethoven's *Hammerklavier*, which is one of these pieces. Beethoven's other works in this genre include ones nicknamed "Appassionata" and "Moonlight."
 ANSWER: **piano sonata** [prompt on "sonata"]
 [10] Like Berlioz, Weingartner made an orchestral arrangement of this composer's "Invitation to the Dance." This early Romantic composer also wrote the operas *Oberon* and *Der Freischütz*.
 ANSWER: Carl Maria von **Weber**
 [10] Weingartner was the conductor of this city's Philharmonic in the first quarter of the twentieth century. Composers from this city include Johann Strauss.
 ANSWER: **Vienna** [or **Wien**]

7. Answer the following about a show created by David Milch, one of several to be tragically cut short, for 10 points each.

[10] Wild Bill Hickok, Wyatt Earp, and Calamity Jane all make appearances in this revisionist Western television programme set in the titular territory of the Black Hills.

ANSWER: **Deadwood**

[10] The third season of *Deadwood* deals heavily with the mining interests of this man's father. This media mogul owned the *New York Journal-American*, had a daughter named Patty, and inspired the film *Citizen Kane*.

ANSWER: William Randolph **Hearst**

[10] This actor portrays the saloon owner Al Swearengen on *Deadwood*. He also played the title character on the BBC drama series *Lovejoy*.

ANSWER: Ian **McShane**

8. In 2008, Prime Minister Kevin Rudd formally apologized to the Stolen Generation, who were children of these people that were forcibly taken from their families. For 10 points each:

[10] Name these indigenous people of Australia.

ANSWER: the **Aborigines** [or Australian **Aboriginals**]

[10] Australia's current Prime Minister Tony Abbott is a member of this political party, which, despite its name, is the conservative opponent of the Labor Party.

ANSWER: **Liberal** Party of Australia

[10] This longest-serving Prime Minister of Australia founded the Liberal Party and addressed the working people of his country with the 1942 "The Forgotten People" speech.

ANSWER: Sir Robert Gordon **Menzies** [pronounced "Mingus," but accept phonetic pronunciations too]

9. The Pell equation give the solution to a problem named for this man which involves counting the heads of cattle in a herd. For 10 points each:

[10] Identify this Greek scientist who may have shouted "Eureka" after having a deep insight about buoyancy.

ANSWER: **Archimedes** of Syracuse

[10] Pell equations are a special case of these equations with multiple unknowns and integer solutions. Yuri Matiyasevich invoked Fibonacci numbers to solve Hilbert's 10th problem, which is about these equations.

ANSWER: **Diophantine** equations

[10] This Frenchman names a generalization of Cassini's identity for Fibonacci numbers. His namesake sequence begins "1, 1, 2, 5, 14, 42, 132", and he conjectured that 8 and 9 are the only consecutive perfect powers of natural numbers.

ANSWER: Eugène Charles **Catalan**

10. This literary family included an author whose novel *Professor Unrat* was adapted into the film *The Blue Angel*. For 10 points:

[10] Give this surname of authors Heinrich and Thomas; the latter wrote about Gustav von Aschenbach's obsession with the sculpture-like beauty of an adolescent boy named Tadzio, in the novel *Death in Venice*.

ANSWER: **Mann** [or (Paul) Thomas **Mann**; or (Luiz) Heinrich **Mann**]

[10] This novel by Mann is about Adrian Leverkühn, a brilliant composer who may have sold his soul to the devil, or hallucinated that he did so after contracting syphilis.

ANSWER: **Doctor Faustus** [or **Doktor Faustus**; do not accept or prompt or "Faust"]

[10] *Doctor Faustus* is narrated by this friend of Adrian, who witnesses his degeneration into madness, as well as the eventual decline of Germany.

ANSWER: **Serenus Zeitblom** [accept either underline portion]

11. The title character of this opera falls in love with the Roman Pollione. For 10 points each:

[10] Name this opera by Vincenzo Bellini. The title character of this opera is a Druid high priestess who sings the aria "Casta diva" to appeal to the Pure Goddess.

ANSWER: **Norma**

[10] The role of Norma was written for singers with this vocal range, the highest female vocal range. Lyric coloratura singers in this vocal range are adept at quick, embellished passages.

ANSWER: **soprano**

[10] This Greek soprano nicknamed "La Divina" performed one of the best recordings of *Norma* under the baton of Tullio Serafin. Along with Joan Sutherland and Beverly Sills, she led the Bel Canto revival.

ANSWER: Maria **Callas** [or Sophia Cecelia **Kalos**, or Anna Maria Sofia Cecilia **Kalogeropoulos**]

12. Reactions are exergonic and spontaneous if the change in this quantity is negative. For 10 points each:

[10] Name this quantity whose change be found by subtracting the product of temperature and the change in entropy from the change in heat.

ANSWER: **Gibbs free energy** [prompt on "free energy" or "energy" or "G"]

[10] In an electrochemical cell, the change in Gibbs free energy can be calculated by multiplying the inverse of the Faraday constant, the number of moles of electrons, and this other quantity for the cell.

ANSWER: standard cell **potential** [or **E° cell** ("E-nought-cell"); prompt on "electrode potential" or "reduction potential"; prompt on "E cell"]

[10] Standard electrode potentials are measured relative to that of the standard hydrogen electrode, which uses this metal as an electrode due to its inertness. This metal is also used in catalytic converters.

ANSWER: **platinum** [accept **Pt**]

13. A crown prince of this dynasty, Sado, was starved to death in a rice chest as punishment for his habit of randomly murdering servants. For 10 points each:

[10] Name this dynasty that overthrew the Goryeo kingdom and ruled Korea until it was annexed by Japan in 1910.

ANSWER: **Joseon** dynasty/kingdom [or **Choson**; or **Chosen**; or **Chosun**]

[10] This "great" Joseon king sponsored the inventor Jang Yeong-sil but had him imprisoned after he built a faulty sedan chair. He also commissioned the creation of the Hangeul alphabet.

ANSWER: **Sejong** the Great

[10] The Joseon Admiral Yi Sun-sin used a type of this vehicle called the "turtle" to defeat a Japanese invasion. The Chinese eunuch Zheng He's expeditions used a type of this vehicle known as a junk.

ANSWER: a **ship** [or a **boat**; or other obvious synonyms; or **Geobukseon**; or **Gwiseon**]

14. Shortly after this object is destroyed, servants find the body of a man who had instantly aged. For 10 points each:
- [10] Identify this object that depicts a figure who gets older as its real-life counterpart does bad things like dump Sybil Vane and murder Basil Hallward.
- ANSWER: the **picture** of **Dorian Gray** [accept equivalents like "portrait" for picture; prompt on partial answer]
- [10] *The Picture of Dorian Gray* is the only novel by this British playwright who wrote *The Importance of Being Earnest*.
- ANSWER: Oscar **Wilde** [or Oscar Fingal O'Flaherty Wills **Wilde**]
- [10] Dorian's hedonistic lifestyle was influenced greatly by Henry Wotton's gift of a certain book to him. Though its name isn't mentioned, it's probably this Joris-Karl Huysmans novel about the rather strange Jean des Esseintes.
- ANSWER: **A Rebours** [accept **Against the Grain** or **Against Nature**]
15. This religion holds that Ezekiel witnessed a flying "wheel" that was built in Japan and carries thousands of bombs. For 10 points each:
- [10] Name this religion whose leaders have included Louis Farrakhan and Elijah Muhammad. Its activities include promoting black separatism and selling navy bean pies, a foodstuff its adherents believe was prescribed by Allah.
- ANSWER: **Nation of Islam** [prompt on "Islam" or "Muslim" or similar answers]
- [10] This man left the Nation of Islam to become a Sunni Muslim, and was assassinated as a result. He is perhaps better known for his autobiography and for his work in the Civil Rights Movement.
- ANSWER: **Malcolm X** [or Malcolm **Little**, or El-Hajj Malik **El-Shabazz**]
- [10] Members of the Nation of Islam believe that the white race was created by this black scientist 6,600 years ago on the island of Patmos. This man is identified with a similarly-named Biblical figure.
- ANSWER: Dr. **Yakub**
16. Paintings in this style, which came in "analytic" and "synthetic" phases, usually use multiple perspectives and break figures down into geometrical shapes. For 10 points each:
- [10] Name this movement in early 20th-century painting that was pioneered by Pablo Picasso. Paintings in this style include *Three Musicians*.
- ANSWER: **Cubism**
- [10] This other French painter was the other major pioneer of Cubism. He painted *Houses at L'Estaque*.
- ANSWER: Georges **Braque**
- [10] Many cubist works depict this musical instrument; a famous Braque painting pairs this instrument with a candlestick.
- ANSWER: **violin** [or **violon**]

17. While serving in Algeria, this man conducted a study of the Kabyle peoples that formed the basis for his book about the sociology of Algeria. For 10 points each:
- [10] Name this sociologist who discussed how cultural capital and differences in taste strengthened class divisions in his book *Distinction* and detailed his ethnographic findings in *Outline of a Theory of Practice*.
ANSWER: Pierre **Bourdieu**
- [10] A Bourdieu essay titled "On [this medium]" attacked it for threatening democracy through "invisible censorship" of news programs. Bourdieu argued that the "commercial plebiscite" of audience ratings makes this medium mediocre.
ANSWER: **television** [or **TV**]
- [10] Because it engages multiple senses at low levels, television is considered a "cool" medium according to this man's book *Understanding Media*. This Canadian intellectual coined the phrase "the medium is the message."
ANSWER: Marshall **McLuhan** [or Herbert Marshall **McLuhan**]
18. A lost history of these people by Sanchuniathon was summarized by Philo of Byblos. For 10 points each:
- [10] Identify this civilization known for sailing around the Mediterranean in galleys and founding Carthage. They were centered on the city of Tyre and developed their namesake Proto-Canaanite alphabet.
ANSWER: **Phoenicians** [or **Phoenicia**]
- [10] In Tyre, the Phoenicians created a valuable dye of this color by letting Murex snails decompose in a vat. Roman emperors typically wore a toga of this color.
ANSWER: royal/imperial **purple** [or red-**purple**; or Tyrian **purple**]
- [10] Sites known as tophets suggest that Phoenicians engaged in this gruesome ritual to ensure good luck at sea. According to Diodorus Siculus, a bronze statue of Tanit was used in this practice.
ANSWER: **child sacrifice** [or obvious equivalents; prompt on "human sacrifice" or "sacrifice" alone]
19. Two notable commentators of this work were Rouge Inkstone and Odd Tablet. For 10 points each:
- [10] Name this novel by Cao Xueqin, which chronicles the two branches of the Jia family. The protagonist Jia Baoyu ends up marrying Xue Baochai, causing the sickly Lin Daiyu to die of grief.
ANSWER: *The **Dream of the Red Chamber*** [or ***Hong Lou Meng***; or *The **Story of the Stone***; or ***Shitou Ji***]
- [10] *The Dream of the Red Chamber* is framed as a story of this stone, which begs a priest and a monk to return it to the world after it goes unused in repairing the Dome of Heaven. Baoyu is born with this stone glowing in his mouth.
ANSWER: **jade**
- [10] The Jia family builds one of these locations named for its "Grand View" when their daughter First Spring becomes an Imperial concubine. Later in the novel, that structure symbolically falls to ruin.
ANSWER: a **garden** [or Daguanyuan]

20. Identify the following about glycolysis, for 10 points each.

[10] In the “payoff phase” of glycolysis, this many total molecules of ATP are produced from the synthesis of 3-phospho-glycerate and pyruvate, yielding a net gain of two ATP molecules for each glucose molecule.

ANSWER: **4** [or **four**]

[10] In the beginning of glycolysis, this enzyme consumes a molecule of ATP to add a phosphate group to glucose. The phosphate added by this enzyme makes the glucose molecule more reactive and less likely to leave the cell.

ANSWER: **hexokinase**

[10] Otto Warburg observed that these kinds of cells tend to get their energy from glycolysis instead of aerobic respiration. The HeLa cell line is derived from cells with this abnormality that were extracted from Henrietta Lacks.

ANSWER: **cancer** cells [or **malignant** tumor cells; accept word forms]

Extra

Name these types of clouds, for 10 points each.

[10] This cloud genus is identified as being cottony, puffy, and low to the ground. These clouds have flat bottoms in fair weather.

ANSWER: **cumulus** clouds

[10] A strong updraft will turn cumulus clouds into this type of cloud, which produce thunderstorms. Their incus subvariety can turn into a tornado-creating cell.

ANSWER: **cumulonimbus**

[10] This genus contains those sheet-like clouds that lie near the ground and produce drizzle. They sometimes cause a little rain, and are usually formed by a layer of fog rising slightly.

ANSWER: **stratus**

In 1576, Stephen Bathory became king of this country, which was then part of a commonwealth with neighboring Lithuania. For 10 points each:

[10] Identify this country whose invasion by Nazi troops in 1939 sparked World War II.

ANSWER: **Poland**

[10] Báthory was succeeded by a member of the Vasa dynasty with this name. A Holy Roman emperor with this name from the house of Luxembourg presided over the burning of Jan Hus at the Council of Constance.

ANSWER: **Sigismund** [or **Sigismund I**; or **Sigismund III**]

[10] Báthory lay siege to the city of Pskov in this war, which ended when he forced this man to give up claims to Livonia. This man had a secret police force called the Oprichnina.

ANSWER: **Ivan IV** of Russia [or **Ivan the Terrible**; or **Ivan Grozny**; or **Ivan Vasilyevich**; prompt on “Ivan”]