

Tossups

1. One character in this novel remembers being lowered by her father Bartolome into a mineshaft as a child to search for gold, only to find a skeleton instead. Another of this novel's characters, a notorious killer and rapist, dies while riding his horse to Contla, causing his father to bribe Father Renteria to absolve him. The narrator of this novel is taken in by Donis, a man in an incestuous relationship with his sister, before learning from Dorotea about the main character's love for Susana San Juan. The main character of this novel is murdered by Abundio Martinez after spending his life increasing the power of the Media Luna ranch. This novel's author initially planned to call it *The Murmurs* because its setting is haunted by the whispers of ghosts. It takes place in Comala, where Juan Preciado arrives to search for the title character. For 10 points, name this magical realist novel about the title rural Mexican tyrant written by Juan Rulfo.

ANSWER: **Pedro Paramo**

2. The acetate salt of this element can help catalyze asymmetric Mannich reactions, while the tosylate of this element can catalyze homocoupling of Grignard reagents. Its oxide is often used as the catalyst in the Wolff rearrangement. Sudalai developed catalytic versions of the Prévost reaction and its Woodward modification in order to minimize its use. The carbonate of this element can convert the most reactive hydroxyl in a compound to a carbonyl, a reaction known as the Fetizon oxidation. Alkyl compounds containing it can be prepared by reacting alkyllead compounds with this element's nitrate, though compounds of this element are generally less thermally stable than corresponding copper compounds. Its oxidation state in its trifluoromethyl cation is +3, a departure from its usual +1 oxidation state seen in compounds such as its insoluble chloride. For 10 points, name this element that precipitates in the presence of an aldehyde in the Tollens test.

ANSWER: **silver** [or **Ag**]

3. It's not in Britain, but this major city was home to the unsolved 1947 "Babes in the Wood" murder, where the skeletal remains of two young boys were found in a large public park near this city's West End. Iona and Mitchell islands are found south of this city, while this city's airport is located on Sea Island. Most parts of this city have a view of the North Shore Mountains. The Burrard Inlet can be seen from this city's downtown, as well as from the massive Stanley Park. Major suburbs of this city include Surrey, Burnaby, and Coquitlam. Modern architecture can be seen at this city's Robson Square. Police were forced to use tear gas in both 1994 and 2011 when this city saw massive riots after Game 7 of the Stanley Cup. For 10 points, name this largest city in British Columbia.

ANSWER: **Vancouver**

4. One cause of this event was an incident where a hijacked bus was crashed through the gates of the Peruvian embassy, which was then overrun by a crowd of 10,000 people. Some participants in this event were harassed in "repudiation meetings", while others had their legal status determined by the case *Garcia-Mir v. Meese*. Some participants in this event staged a riot at Fort Chaffee, Arkansas, which briefly derailed the career of Governor Bill Clinton. Relations between the United States and the other nation involved in this event collapsed when it was revealed that between 2-25% of participants were mentally ill or convicted criminals. For 10 points, name this 1980 mass emigration of over 125,000 Cubans to the United States.

ANSWER: **Maríel Boatlift**

5. In a 1973 paper, Donald Davidson argued that radical interpretation requires that one simultaneously provide a theory of meaning and a theory of this concept. Quine wrote a 1956 paper in which he examined the case of a citizen named Ralph and a mayor named Bernard J. Ortcutt as a way of explaining how quantification works over contexts relevant to these concepts; that paper is widely held to have originated the *de re/de dicto* distinction between two types of this concept. Saul Kripke postulated the existence of a bilingual Frenchman named Pierre who utters the sentences “Londres est jolie” and “London is not pretty,” but does not know that *Londres* is London in order to illustrate a “puzzle” concerning this concept. The Gettier cases are intended to provide a counterexample to the claim that knowledge is equivalent to being in possession of a justified and true one of these. For 10 points, identify these propositional attitudes which we have when we think that something is the case.

ANSWER: **belief** [accept plurals or verb forms, accept **justified true belief**, **puzzle about belief**, etc. as long as the word **belief** is present; prompt on “propositional attitude”]

6. In a prologue to one of his plays, this author claimed to be “weary of his long-loved mistress rhyme” and called himself “betwixt two ages cast / the first of this, and hindmost of the last.” One of this author’s plays includes a monologue which begins “When I consider life, ‘tis all a cheat; Yet, fool’d with hope, men favour the deceit.” This author was parodied as Bayes in George Villiers’ comedy *The Rehearsal*. One of his plays begins with Doralice singing “Why should a foolish marriage vow,” and includes a subplot about Rhodophil and Palamede, who pursue each other’s wives. The title character of one of his tragedies is nearly poisoned by Nourmahal before reuniting with his lover Indamora. In another of his plays, Hermogenes reveals that Leonidas is the rightful heir to the crown of Sicily, allowing him to overthrow the usurper Polydamas and marry Palmyra. For 10 points, name this Restoration author of the tragedy *Aureng-Zebe* and the comedy *Marriage-a-la-Mode*.

ANSWER: John **Dryden**

7. Oscar Peterson loved this artist’s recording of “Body and Soul,” which heavily quotes “In the Hall of the Mountain King.” This artist first gained popular success by composing a song about a buzzard which tries to throw a monkey off its back, “Straighten Up and Fly Right.” He included his versions of “It’s Only a Paper Moon” and “Sweet Lorraine” on his 1957 album *After Midnight*, and formed a pioneering trio along with Johnny Miller on bass and Oscar Moore on guitar. This musician brought in so much money that the Capitol Records Building was nicknamed the house that he built. In 1956, he became the first African-American to host a network variety show, thanks to his chart-topping recordings of songs such as “Mona Lisa” and “Unforgettable.” For 10 points, name this baritone, a jazz pianist who became a popular singer known for his iconic version of “Chestnuts Roasting on an Open Fire.”

ANSWER: Nat “King” **Cole**

8. This nation’s Tiwi Island is home to an isolate language with no known relatives. The Mindi and Garawan language families are found in this nation. R. M. W. Dixon is a heterodox linguist with controversial views on this nation’s languages. Many languages in this nation have only three consonants – a, i, and u – suggesting they were once part of a massive sprachbund. This nation is home to Walpiri, a highly complex sign language. Many languages in this nation have special versions used only in front of certain relatives, called “mother-in-law languages.” Most languages in this nation can be classified in the Pama-Nyungan family, which was spoken by natives in all but its far northern regions. This nation’s dialect of English often replaces the “l” with “w,” such as in “miwk” instead of “milk,” and is now its dominant language. For 10 points, name this Commonwealth nation that includes the Torres Strait Islands and the Aborigines.

ANSWER: **Australia**

9. This substance is the major toxin involved in scombroid poisoning. Tritoqualine is an atypical antagonist of this compound that targets the enzyme involved in its formation. Four G-protein coupled receptors are known for it in humans. Its degradation primarily proceeds through either amine oxidase or its namesake N-methyltransferase. Other alkaloids can displace it in its granules, causing its release. Excreted by enterochromaffin-like cells and by mast cells, it is produced by the decarboxylation of an amino acid with an imidazole side chain. For 10 points, what is this substance inhibited by ranitidine and diphenhydramine that provokes an inflammatory response?

ANSWER: histamine

10. During this military campaign, Count Largo signaled his refusal to surrender by climbing a tower and throwing a set of keys into the ocean: he would later die from being slowly sawed in half. During this campaign, the Hill of Minerva was allegedly the scene of a massacre. Civilian resistance to this invasion was led by a tailor named Antonio Primaldi, who along with his followers will be canonized by the Catholic Church in May 2013 as the “800 Martyrs of” this campaign. Duke Alfonso of Aragon led resistance to this invasion, assisted by a force sent by Matthias Corvinus of Hungary. Giovanni Mocenigo had pledged the neutrality of Venice in this campaign in exchange for trade concessions in the Levant, giving the attackers naval supremacy. A major reason for the failure of this campaign was the threat posed by Prince Cem, who attempted to seize the throne with European assistance when the ruler who ordered this invasion died. For 10 points, name this attempt by Mehmet the Conqueror to occupy a certain boot-shaped peninsula.

ANSWER: Ottoman Invasion of Italy [accept anything involving the Ottomans or the Turks invading Southern Italy, Apulia, Salento or Otranto, until any of those words are mentioned]

11. This entity and Hersir are the great-grandfathers of a person whose crow-given quest for the rich Dan and Danp has unknown result. This being’s grandchildren like Lazybones, Fatty, Strongbeard, and Prettyface, were born to Thir, Snor, and Erna, his daughters-in law, the last of whom bore the namesake father of the aforementioned Konr the Younger. This deity practiced the same trick on Ai and Edda, Afi and Amma, and another couple, sleeping between them to surreptitiously impregnate. A child who was later given this god’s name resulted from the three days spent with Moder; that probable progenitor of the Danes was originally named Jarl, and was born to rule over his half-brothers, Thrall and Karl. This Norse god thus fathered the three races of men in the guise of Rig. For 10 points, name this god whose complex family relations include his being the son of nine mothers.

ANSWER: Heimdall [accept Rig before it’s mentioned]

12. Alfred Schnittke’s cantata about this character ends with a wild tango accompanying his death in the movement “Es geschah.” This character is the namesake of the second movement of Charles Alkan’s piano sonata *The Four Ages*. A literary work about this character is the source of Mussorgsky’s “Song of the Flea.” A composition named for this character includes the “Dance of the Sylphs,” and depicts his indifference to the Rakoczy March in its first scene. Mahler composed a setting of a “chorus mysticus” from a play named after this character for the second part of his *Symphony of a Thousand*. An opera with this name includes the Jewel song, and features this character seducing Marguerite after drinking a magic elixir of youth. For 10 points, name this title character of a Gounod opera, who ends up in hell in a work by Berlioz about his damnation.

ANSWER: Doctor Faust

13. Late in life, this man represented the south London neighborhood of Lambeth in Parliament. On one campaign, this man's life was saved by his Irish doctor, Thomas Parke. Several decades after this man was briefly imprisoned in Fort Douglas, he crossed the Itari Forest during a campaign to rescue the governor of Equatoria, Emin Pasha. This man, who was nicknamed Bula Matari or "Breaker of Rocks", proved that the Lualaba River drained into the Atlantic Ocean. While working for the International African Association, this man competed with Pierre de Brazza for suzerainty over tribal leaders. For 10 points, name this man who claimed the Congo for Leopold II of Belgium and famously found Dr. Livingston.

ANSWER: Henry Morton Stanley [or John Rowlands]

14. Non-straight field lines give rise to a form of this phenomenon that is given, in SI units, by the quantity  $\mathbf{B} \cdot \nabla \times \mathbf{B} / \mu$ , where  $\mathbf{B}$  is the magnetic field and  $\mu$  is the permeability. That magnetic form of this phenomenon appears along with the magnetic pressure in the standard MHD decomposition of the Lorentz force and provides the restoring force for Alfvén waves. Another form of this phenomenon can balance a pressure difference, resulting in a geometry such that the pressure difference is proportional to the sum of the radii of curvature according to the Young-Laplace equation. That form of this phenomenon determines contact angles and generates menisci. For 10 points, name this force that acts to minimize the surface area of a fluid.

ANSWER: tension [accept magnetic tension or surface tension]

15. On the right hand side of this painting, two angels hold rods that support a white and gold canopy, near which another angel blows on two horns. On the bottom of this painting, a figure blows a conch shell into the grey beard of a sea deity, while one of the three fleshy nude women grasps a rope and a pier. The title figure in this work is greeted by a man in a helmet with a blue cape decorated with a fleurs de lys pattern. This painting chronologically follows one where the title figure joins hands with the Ferdinand of Tuscany in a proxy marriage. In this painting, a man in black armor watches his wife walk across a red-carpeted bridge to the title city; that armored figure is King Henry IV. For 10 points, name this Rubens painting where the title queen arrives at a French city on the Mediterranean.

ANSWER: *The Disembarkation at Marseilles* [or *Marie de Medici's Disembarkation at Marseilles*; or *Arrival of Marie de Medici at Marseilles*; or the *Landing of Marie de Medici in Marseilles*; accept anything involving Marie de Medici arriving at Marseilles]

16. One of this author's poems compares the sky to the "black lid" of a vast cauldron which is slowly boiling all of humanity. The speaker of another of this author's poems compares his soul to "a ship without a mast on a monstrous, borderless sea" after encountering a sinister number of identical hobbled men. This author exclaimed "Andromache, I think of you!" at the beginning of a poem which laments that a city's face changes faster than a human heart. This author of "The Cover" and "Seven Old Men" wrote about travellers who discover "an oasis of horror in a desert of boredom" in his poem "The Voyage," and lamented the Haussmannization of Paris in a poem named for a bird which escapes its cage. He included that poem, "The Swan," in a collection which proclaims "hypocrite reader! my double, my brother!" For 10 points, name this French poet who included the sections "Wine," "Death," and "Spleen and Ideal" in his book *The Flowers of Evil*.

ANSWER: Charles Baudelaire

17. It's not Hungary, but one theologian from this country took the Latin name Johannes Corvinus. Simon Episcopus led a reformist faction in this country called the Remonstrants. This nation's state church was deeply influenced by the conservative theologian Franciscus Gomarus. A 1632 document written in this country superseded the earlier Schleithem Confession and contains Eighteen Articles, including two that endorse ecclesiastical bans on apostates and the shunning of the wicked. A synod held in this country discussed the Quinquarticular Controversy, and saw a theologian from this nation condemned for articulating his namesake belief that man can choose to be saved, a denial of predestination. Home to the Synod of Dort and the Dordrecht Confession, for 10 points, name this largely Calvinist homeland of Menno Simons and Jacob Arminius.

ANSWER: The Netherlands [or Nederland]

18. One story says that news of this man's most famous accomplishment was initially misinterpreted as being about the death of a chicken. One of this man's campaigns was sparked when his rival Sarus assaulted him during negotiations, and was inadvertently aided by the conspiracy of Olympius. During his invasion of Greece, this commander wiped out the last remnants of the Eleusinian Mysteries. This man is considered the first ruler from the Balti dynasty. This man was allegedly buried under the Busento River, less than a year after his influence brought Priscus Attalus to power. The execution of Stilicho by Emperor Honorius enabled this man to launch his most famous campaign, which resulted in the scattering of ashes from the mausoleums of Augustus and Hadrian. For 10 points, name this leader of the Visigoths who sacked Rome in 410.

ANSWER: Alaric [or Alaric I]

19. This property applies to consistent finite difference schemes on well-posed linear initial value problems according to the Lax equivalence theorem. An extension of Steffenson's method known as a delta-squared process increases the order of this for any object that has it. Given an object with this property and a function that fixes a corresponding point, the absolute value of the function's derivatives at that same point dictate the rate at which this occurs. A sequence with the conditional form of this property with respect to some number can be rearranged to have this property with respect to any other number or even a sequence without this property, according to the Riemann series theorem. Under certain assumptions, inner products of two sequences with this property retain this property according to the Dirichlet and Abel tests for it. For 10 points, name this property of sequences that have a limit.

ANSWER: sequence convergent [accept word forms like convergence; accept things like a limit exists before limit is mentioned]

20. This author profiled NASCAR driver Junior Johnson in his essay "The Last American Hero." In 2000, this author responded to criticism from Norman Mailer, John Irving, and John Updike by writing an essay calling them the "three stooges." This author proclaimed that American novels needed to return to social realism in a 1989 article he wrote for *Harper's Magazine*, "Stalking the Billion-Footed Beast." His most recent novel concerns Nestor Camacho, a policeman who arrests a Cuban refugee yards from American soil, causing a crisis in Miami. This author wrote a collection named for an essay about Ed Roth and California's custom car culture, as well as the novel *Back to Blood*. He pioneered "New Journalism" in books such as *The Kandy-Kolored Tangerine Flake Streamline Baby*. For 10 points, name this American author of *A Man in Full* and *The Bonfire of the Vanities*.

ANSWER: Tom Wolfe

## Bonuses

1. This man's paper "Recursive Functions of Symbolic Expressions and their Computation by Machine" provided the initial outline of the LISP language. For 10 points each:

[10] Identify this Turing Award-winning computer scientist who lends his name to a recursive algorithm where  $n = n - 10$  for values over 100, his namesake 91 function.

ANSWER: John **McCarthy**

[10] McCarthy coined this term for a class of algorithms and techniques. So-called strong forms of it would result in machines that match or exceed human abilities.

ANSWER: **artificial intelligence**

[10] This technique is used in many AI search algorithms. It differs from a best-first search in that it only considers the best single-step from the current position when making a decision. This type of greedy technique is bad at dealing with plateaus and ridges.

ANSWER: **hill-climbing** algorithm

2. Henry Clay narrowly avoided losing his seat in the House because of this scandal, saving himself by delivering a speech in which he compared himself to a trusty rifle that misfired once. For 10 points each:

[10] Name this scandal that caused massive turnover in the US House at the 1816 midterm elections, because voters were outraged that a certain type of bill had passed.

ANSWER: **Compensation Act** scandal [accept anything about Congress giving itself a raise]

[10] The infamous Compensation Act, which gave member of Congress a 40% raise, was introduced by this Kentuckian, who would later be Vice President under Martin Van Buren.

ANSWER: Richard Mentor **Johnson**

[10] This other Kentuckian and noted member of the kitchen cabinet edited several newspapers such as the *Argus* and the *Washington Globe*, which he turned into heavily biased mouthpieces for the Democratic Party.

ANSWER: Amos **Kendall**

3. This man goes on a quest to find Phebe, a slave who was sold after discovering his affair with Annabelle Trice. For 10 points each:

[10] Name this character, whose decision to free his slaves and become an abolitionist puzzles Jack Burden, who never finishes a history dissertation about him.

ANSWER: Cass **Mastern** [or **Cass** Mastern]

[10] Jack Burden remembers Cass Mastern while searching for dirt on Judge Irwin in this novel by Robert Penn Warren about the rise and fall of Governor Willie Stark.

ANSWER: **All the King's Men**

[10] To resolve Sibyl Frey's threat of a paternity suit, Willie Stark is forced to give Gummy Larson the contract to build this structure. Adam Stanton initially agrees to become its director, although he later assassinates Willie Stark.

ANSWER: the Willie Stark **hospital**

4. This capital city of King Gradlon was protected by a giant bronze gate. For 10 points each:

[10] Name this city that was destroyed when the Devil, disguised as a knight in red, convinced Gradlon's iniquitous daughter Dahut to steal the key and open the gate.

ANSWER: **Ys** [or Ker-**Is**; or Ville d'**Ys**]

[10] Like Ys, a watery demise befell Cantref Gwaelod, whose lord Gwyddno Garanhir sent his son Elphin to a salmon weir where Elphin found this figure.

ANSWER: **Taliesin** [or **Gwion** Bach]

[10] In Greek myth, this legendary island located beyond the Pillars of Hercules was ruled by Atlas until the gods sank it into the ocean.

ANSWER: **Atlantis**

5. For 10 points each, answer the following about the anthropology of South America.

[10] While searching for the lost city of Vilcabamba, Hiram Bingham discovered this Inca site, whose ruins include the Temple of the Sun. Many scholars now believe it served as a retreat for Pachacuti.

ANSWER: **Machu Picchu**

[10] Jacques Lizot's ethnography emphasized the erotic life of this Amazon River culture, in contrast to Napoleon Chagnon, who wrote a book calling them the "fierce people."

ANSWER: **Yanomamo** [or **Yanomami**]

[10] This Columbia anthropologist wrote about "acts of terror" in rubber plantations on the Putamayo River in his book *Shamanism, Colonialism, and the Wild Man*. He used the Cuna people as the basis of his 1993 book *Mimesis and Alterity*.

ANSWER: Michael **Taussig**

6. Members of this religion added the suffix "-ody" to their names, and the goal of this faith was to become "Next Level", which required abandoning all ties to Earth. For 10 points each:

[10] Name this New Age religion whose followers left Earth via a spacecraft trailing Comet Hale-Bopp after they committed mass suicide in 1997.

ANSWER: **Heaven's Gate**

[10] Heaven's Gate was founded by this man, who had a religious awakening following a near-death experience in the early 1970's.

ANSWER: Marshall **Applewhite**

[10] Applewhite believed that he was one of the "two witnesses" mentioned in Chapter 11 of the Book of Revelation, which more famously predicts this event. After this event, the Kingdom of God will be proclaimed on Earth and the Ark of the Covenant will appear in the Temple. It is preceded by several similar events whose purpose is to warn sinners to repent.

ANSWER: the seventh **trumpet** [do not accept seventh seal]

7. When drawing reaction mechanisms involving them, a convention is to use a fishhook arrow to represent the movement of a single electron. For 10 points each:

[10] Name these chemical species often generated by photolysis that have unpaired electrons.

ANSWER: free **radical**

[10] This piperidine derivative discovered by Lebedev and Kazarnowskii is a stable radical protected sterically by four methyl groups. It can be used as a catalyst in mild oxidation reactions such as the oxidation of alcohols to carbonyls.

ANSWER: **TEMPO** [or **(2,2,6,6-Tetramethylpiperidin-1-yl)oxyl**]

[10] A radical of this benzene derivative is an intermediate in and lends its name to an industrial process that converts benzene, propylene, and atmospheric oxygen to phenol and acetone.

ANSWER: **cumene** [or **isopropyl benzene**; or **2-phenylpropane**]

8. For 10 points each, answer the following regarding British novels about the sea.

[10] The title character of this Joseph Conrad novel sails to Patusan after becoming obsessed with guilt over the sinking of the *Patna*.

ANSWER: **Lord Jim**

[10] This naval officer during the Napoleonic Wars wrote a series of adventure novels about the sea, including *Mr. Midshipman Easy*. Late in life, he started writing children's books such as *The Children of the New Forest*.

ANSWER: Frederick **Marryat**

[10] In this novel by Richard Hughes, the five Bas-Thornton children sail for England on the *Clorinda*, only to be captured by pirates. It focuses on Emily, a 10 year old girl who ends up murdering the pirate captain.

ANSWER: A **High Wind in Jamaica**

9. This king obtained an annulment from Pope Alexander VI after accusing his first wife, Joan, of being horribly deformed and incapable of consummating their marriage. For 10 points each:

[10] Name this King of France, nicknamed “Father of the People”, the father-in-law of Francis I who continued the wars of Charles VIII in Italy.

ANSWER: **Louis XII** [prompt on **Louis**]

[10] Louis XII earned his nickname after he lowered this notorious land tax, which centuries later would help exacerbate tensions leading to the French Revolution.

ANSWER: **taille**

[10] Other French taxes included this unpopular salt tax imposed by Philip IV, which in 1675 sparked the Red Bonnet rebellion in Brittany.

ANSWER: **gabelle**

10. In one of this director’s films, Mercedes McCambridge plays Emma, who chases the lead female through the Arizona desert. For 10 points each:

[10] Name this director of *Johnny Guitar*. He is best known for a 1955 film partially set at the Griffith Observatory.

ANSWER: Nicholas **Ray**

[10] The script of this aforementioned Ray film was based on a case study about a “Criminal Psychopath” by Dr. Robert Lindner. Sal Mineo plays Plato in this film, while the title character is played by James Dean.

ANSWER: **Rebel Without a Cause**

[10] Ray’s mainstream directorial career ended after he suffered a heart attack making a Charlton Heston film titled for 55 days in this nation’s capital. A director from this country won the 1993 Palme d’Or for *Farewell My Concubine*, and its most recent Foreign Language Film Oscar submission was the Christian Bale vehicle, *The Flowers of War*.

ANSWER: People’s Republic of **China** [or **PRC**]

11. The pressure drop across a flow is given by this quantity, times the streamwise aspect ratio, times the kinetic energy density, which is half the density times the mean flow speed squared. For 10 points each:

[10] Name this quantity, which is thus the constant of proportionality in the Darcy-Weisbach equation. It can be read off a Moody chart.

ANSWER: the **friction factor** [prompt on **f**]

[10] Of course, the friction factor mainly depends on this dimensionless ratio, which is the ordinate of the Moody chart. For laminar flow, the friction factor is 64 divided by this quantity.

ANSWER: the **Reynolds number** [prompt on **Re<sub>d</sub>**]

[10] For turbulent flow, this parameter is important in determining the friction factor. Denoted epsilon, it appears in a non-dimensionalized form as a parameter in the Moody chart and Colebrook equation. It determines the friction factor for very high Reynolds number.

ANSWER: mean height of **roughness**



12. [Moderator: Do not reveal the alternate answer for part 1]

This work was part of a series designed for the Alabaster Chambers in a castle owned by the Duke of Ferrara. For 10 points each:

[10] Identify this Titian painting where the sail of a small boat can be seen in the distance off the coast of Naxos. One of the title figures wears a blue and red robe and stands in a contrapposto pose next to two leopards.

ANSWER: Bacchus and Ariadne [accept but do not reveal the answer for Laocoon]

[10] *Bacchus and Ariadne* was originally titled after this mythological figure, who steps towards a disembodied animal head in the composition. An ancient sculpture of this figure sees him surrounded by his two sons, with all three figures fighting against snakes.

ANSWER: Laocoon

[10] This Venetian contemporary of Titian painted a weird Annunciation where an angel busts through the door holding a gigantic lily. The title figure clasps a statuette of Diana in this artist's *Portrait of Andrea Odoni*.

ANSWER: Lorenzo Lotto

13. This character describes how he raped the young girl Matryoshka out of self-loathing and boredom in a chapter about his confession to Bishop Tikhon. For 10 points each:

[10] Name this character, who does not prevent the criminal Fedka from murdering his crippled wife Marya and his brother-in-law Captain Lebyadkin. He was tutored by Stepan Verkhovensky as a child, and is later recruited by Stepan's son Peter to become the figurehead for a group of radicals.

ANSWER: Nikolai Stavrogin [or Nikolai Stavrogin]

[10] Stavrogin commits suicide at the end of this novel by Fyodor Dostoyevsky about the destruction caused by the title revolutionary conspirators.

ANSWER: *The Possessed* [or Besy; or Demons; or Devils]

[10] In Book Three of *The Possessed*, this revolutionary develops religious faith and tries to leave the group, for which he is murdered. The nihilist Kirilov agrees to sign a note taking responsibility for murdering this character before committing suicide.

ANSWER: Ivan Shatov [or Ivan Shatov]

14. This rebellion began with an incident called the "Bloody Corpus," in which the Count of Santa Coloma was killed by a mob on the Feast of Corpus Christi. For 10 points each:

[10] Name this 1640-59 rebellion in Spain, led by the namesake group of agricultural workers.

ANSWER: War of the Reapers [or Guerra de los Segadors]

[10] The Reapers's War established a short-lived republic in this northeastern region of Spain, which has its own Romance dialect and distinct culture.

ANSWER: Catalonia

[10] The War of the Reapers was a rebellion against this Habsburg king, whose government was dominated by the Count-Duke of Olivares. He led Spain in the Thirty Years War.

ANSWER: Philip IV [prompt on Philip]

15. This work's first appendix asks "Why anything? Why this?" and develops what its author calls the "triple theory," which holds that an act is wrong "just when such acts are disallowed by some principle that is optimistic, uniquely universally willable, and not reasonably rejectable." For 10 points each:

[10] Identify this two-volume work of moral philosophy by Derek Parfit.

ANSWER: **On What Matters**

[10] Parfit is a notable adherent of this view, according to which statements of moral obligations are statements of fact akin to a report of natural facts. A stronger version of this thesis holds that moral entities objectively exist.

ANSWER: moral **realism**

[10] Parfit's "triple theory" is an attempt to combine consequentialism and contractualism with the philosophy of this deontologist, whose categorical imperative advocates treating people as ends rather than means.

ANSWER: Immanuel **Kant**

16. Durum wheat is an example of this condition, and it was intentionally induced in triticale to overcome hybrid sterility. For 10 points each:

[10] Name this condition of having more than two complete sets of homologous chromosomes.

ANSWER: **polyploidy**

[10] This relationship among plants of genus *Brassica* was described by a Korean-Japanese botanist. In this arrangement, three ancestral diploid species intercombined to produce three different tetraploid species.

ANSWER: the **Triangle of U**

[10] This substance can be used to induce polyploidy by inhibiting microtubule polymerization. Originally derived from the autumn crocus, this tricyclic molecule is also used as a gout treatment.

ANSWER: **colchicine**

17. For 10 points each, answer the following about US gubernatorial elections in 2013.

[10] In New Jersey, this female state senator is the most likely Democratic nominee to run against Republican Chris Christie.

ANSWER: Barbara **Buono**

[10] In Virginia, this current Attorney General will be the Republican nominee for Governor, despite concerns that he is too conservative on social issues.

ANSWER: Ken **Cuccinelli**

[10] Cuccinelli will be running against Democrat Terry McAuliffe, who is most famous for previously holding this position. This post is currently held by Debbie Wasserman Schultz.

ANSWER: **Chairperson of the Democratic National Committee** [or **DNC Chairman**; or **DNC Chair**]

18. Robert Bly translated this author's poems in his collection *The Angels Knocking on the Tavern Door*. For 10 points each:

[10] Name this 14th century author from Shiraz, who wrote many love poems to Shakh-e Nabat. He took a name meaning "one who has memorized the *Qur'an* by heart," and collected his poetry in his *Divan*.

ANSWER: **Hafez**

[10] Reading Hafez inspired this German author to write his *West-Eastern Divan*. Another of his poems asks "Do you know the land where the lemon trees blossom?"

ANSWER: Johann Wolfgang von **Goethe**

[10] This transcendentalist was one of the first writers to translate the poems of Hafez into English. His reading of the Vedas inspired his poem "Brahma" and his essay "The Oversoul."

ANSWER: Ralph Waldo **Emerson**

19. This collection includes pieces like “From the diary of a fly,” and ends with six pieces in Bulgarian rhythm. For 10 points each:

[10] Name this pedagogical collection of 153 progressively difficult piano pieces. Its composer dedicated the first two of its six books to his son Peter.

ANSWER: Mikrokosmos

[10] This Hungarian composer wrote *Mikrokosmos*, as well as a *Concerto for Orchestra* and the opera *Duke Bluebeard's Castle*.

ANSWER: Bela Bartok

[10] Beginning piano students are often assigned the sixty exercises in this 19th century French composer's book *The Virtuoso Pianist*.

ANSWER: Charles-Louis Hanon

20. The deeds of this ruler were recorded on tablets by his son, Mursili II. For 10 points each:

[10] Name this great ruler of the Hittite Empire, who ravaged Egypt's possessions in Syria and the Levant during the reign of Akhenaten.

ANSWER: Suppiluliuma I [prompt on Suppiluliuma]

[10] In its later years, Hittite foreign policy included maintaining the existence of this empire, with capital at Washukanni, as a buffer state between the Hittites and Assyria. This state's conquest by Adad-Nirari I put Hittite national security in great peril.

ANSWER: Mitanni

[10] The Hittite Empire was destroyed not by Assyrians, but by the Sea Peoples, who are also credited with destroying this vassal city of the Hittites. This city, on the coast of modern Syria, is famous for its unique Semitic language, which is well attested from many preserved inscriptions and tablets.

ANSWER: Ugarit