

### MKULTRA 3: Asking the Super-Important Questions

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Packet by Angels of Islington

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#### Tossups

1. **Several cabbages are shown hanging in the extreme foreground of this painting. Only a single tiny hand emerging from the central woman's shawl to grip the mother's hand reveals the presence of a baby in this painting. An umbrella held nearly horizontal shields this painting's central figures from a wind blowing right-to-left that lifts a woman's bright pink (\*) scarf.** Both versions of this work – one in Cambridge's Fitzwilliam Museum and one in Birmingham – are in the form of a tondo. The White Cliffs of Dover appear in the background of, for 10 points, what portrayal of two stoic emigrants leaving on a boat for Australia, a painting by Ford Madox Brown?

ANSWER: *The Last of England* <Angels, Visual Fine Arts>

2. **As one strategy to deal with the zero lower bound problem, this man proposed that central banks should announce maximum allowable yields on government bonds. In a 2004 speech, this man suggested that higher independence of central banks had caused business cycles to decrease in magnitude since the 1980s, which he called the Great (\*) Moderation.** The first use of quantitative easing in the USA was authorised by this man, who wrote “a memoir of a crisis and its aftermath” in a 2015 book. This 2009 Time Person of the Year was succeeded in his most notable post in 2014 by Janet Yellen. For ten points, name this former Chairman of the Federal Reserve, who oversaw the US monetary response to the Great Recession.

ANSWER: Ben Bernanke <FCM, Social Science>

3. **A 1995 single released by The Magnetic Fields has the title “All the Umbrellas in [this city]. This city twitches under a “red, red glow” in a song about its local radio station by Hefner. ELO sang “It was one of those nights when / You feel the world stop turning” in a song titled (\*) “Last Train to [this city].** The lyrics “Looking for hard work or credit card fraud / What do you expect from us?” appear in a Pet Shop Boys song named for this city. One song with this city in its title claims that “Phoney Beatlemania has bitten the dust”. A song by Warren Zevon discusses “Werewolves of” this city. For 10 points, what city is “Calling” in the title of a 1979 song by The Clash?

ANSWER: London <DK, Trash>

4. **James Tour's group at Rice University recently used a laser and a block of pine wood to produce this substance. The first experimental determination of Dirac cones at the meeting of valence and conduction bands at the K points in this substance prove that this substance acts as a (\*) zero gap semiconductor.** This material unusually exhibits an anomalous quantum Hall effect, and it has the highest recorded ultimate tensile strength. Konstantin Novoselov earned the 2010 Nobel Prize in Physics with Andre Geim for producing this substance with Scotch tape. For 10 points, name this substance consisting of a single layer of carbon atoms in a hexagonal array.

ANSWER: graphene [do not accept “graphite”] <EWL, Physics>

5. **The retirement of a rally driver from this country just 300 m from the end of the Rally of Great Britain enabled Tommi Mäkinen to win the 1998 World Rally Championship. That driver had previously won two World Rally Championships driving for Toyota. A Formula 1 driver from this country benefited from his teammate deliberately (\*) crashing to win the 2008 Singapore Grand Prix.** Victory in the 2013 MotoGP season saw a rider from this country become the youngest champion in its

history and a Formula 1 driver from this country won back-to-back titles in 2005 and '06 with Renault. For 10 points, Carlos Sainz, Marc Márquez and Fernando Alonso are from which European country?  
ANSWER: Kingdom of Spain [or Reino de España] <DK, Trash>

6. In one work, this man suggested that a mandatory “civil religion” should be imposed on citizens of a state, but that they should still be free to follow their own religions. Bernard Grofman suggested that the Condorcet jury theorem would guarantee the quality of decisions made by one body proposed by this man. This man suggested that (\*) “amour propre”, one of the motivations for human action, could be reduced by the creation of a society in which ‘no citizen should be rich enough to buy another, and none so poor that he has to sell himself.’ For ten points, name this political philosopher, who proposed a society governed in accordance with the “general will” in his work *The Social Contract*.  
ANSWER: Jean-Jacques Rousseau <FCM, Philosophy>

7. This leader’s gossip spread a rumour begun by the monarch that Lady Flora Hastings had conceived a love child with Sir John Conroy, which provoked public heckling when Lady Flora died of an enormous liver tumour. This politician was appointed as Home Secretary, where he notably recommended that the Tolpuddle Martyrs be prosecuted under the Unlawful Oaths Act, at the same time as his sister’s lover (\*) Lord Palmerston was made Foreign Secretary. This politician continued as Prime Minister following the Bedchamber Crisis, where his advice convinced his close friend Victoria to oppose Peel. For 10 points, name this Prime Minister whose wife had an affair with Lord Byron and in whose honour Richard Bourke named the capital of Victoria.  
ANSWER: William Lamb, second Viscount Melbourne [accept either underlined part] <Angels/DJ, History>

8. Oleg Kiselyov developed a system used to manage these entities in Haskell which uses delimited continuations. That system stores these entities in a nested finite map and depends on the zipper data structure for navigation. A structure used to manage these entities in UNIX uses an inode [“eye-node”] table. A type of these entities containing data not supported by a source are known as “sidecars”. UNIX treats (\*) everything as one of these entities, which are managed by systems such as FAT and NTFS. For 10 points, name these entities stored in directories on a computer, whose type is identified using extensions like doc and txt.  
ANSWER: files [or file systems before “FAT”; or directories before read] <EWL, Other Science>

9. One of this author’s characters admits in a letter to Henrietta that “I never saw the Devil in my Life, nor I don’t believe he hath any thing to do with me” in explaining how she told a “Fib” to Mrs. Jewkes about why she was in a pond. One character created by this author is bottled over the head by Ensign Northerton after losing five hundred pounds in a wallet. That character created by this author is caught shooting partridges with Black George and whipped by Reverend (\*) Thwackum. Captain Blifil dies of apoplexy in that work by this author, leaving behind a son who is raised by Squire Allworthy alongside the titular “foundling.” This author mocked the success of Richardson’s *Pamela* in *Shamela*. For 10 points, name this author of *Tom Jones*.  
ANSWER: Henry Fielding <DJ, Literature>

10. In his translation of the Bible, St Jerome used the name of these mythological figures instead of “jackals” for the Hebrew word *tannim*. These figures are usually considered to be the offspring of the god Achelous and one of the Muses. In Ovid’s *Metamorphoses*, these figures were once the companions of a young Persephone. In other works, these figures are described as the killers of the centaurs, while Chiron told Jason that (\*) Orpheus would be important on his journey because of his ability to negate these figures. For 10 points, name these figures from Greek mythology that lost a

singing contest against the Muses, and who prompted Odysseus to order himself tied to the mast of his ship so that he could hear their song.

ANSWER: Sirens [or seirenes] <EBL, Mythology>

**11. The Albertini tablets are an important source for the rule of these peoples. These peoples' naval reputation, which led to the Mediterranean being called the sea of these people in Old English, was cemented by victory at the Battle of Cap Bon. An important account of these peoples was written by Victor of Vita, a bishop of Byzancena who described their persecution of Catholics under (\*) Arian leaders like Huneric. A leader of these people, Gelimer, was defeated at Ad Decimum by General Belisarius, who expelled them from their North African kingdom. The empress Licinia Eudoxia was abducted, for 10 points, by which Germanic tribe, whose 455 AD sack of Rome made them a by-word for destruction?**

ANSWER: Vandals <DJ, History>

**12. Variation in the energy of these species due to perpendicular distortions is the basis of the Thornton effect. Ahmed Zewail observed these chemical species using femto-chemistry, and breaking of bonds in these species leads to the primary kinetic isotope effect. The equilibrium constant for the formation of these species is used in the Eyring equation. These species, which are found at (\*) saddle points on potential energy surfaces, resemble whichever of the reactants or products is closest to them in energy according to Hammond's postulate. For 10 points, name these extremely short-lived chemical species separated from the reactants by the activation energy.**

ANSWER: transition state [do not accept "intermediate"] <EWL, Chemistry>

**13. One character in this work is repeatedly introduced by him singing the shanty "Shenandoah", which occurs both in the final scene and at the very beginning of this work. That character, Seth the gardener, is ordered to board up the windows and throw out the flowers at the end of this work. One character in this play is revealed to be the son of a Canuck nurse expelled from the central family in disgrace. This play begins with a (\*) Brigadier General returning home from the Civil War, who cries out with his dying breath "She's guilty - not medicine!" after falling victim to Christine and Adam Brant's attempt to poison him. Divided into the sections "Homecoming", "The Hunted" and "The Haunted", for 10 points, name this play cycle based on the *Oresteia* by Eugene O'Neill.**

ANSWER: Mourning Becomes Electra [antiprompt on *Homecoming*, *The Hunted* or *The Haunted*] <EWL, Literature>

**14. The protagonist of this work discovers the impaled corpses of Anya Andersdotter and Bill McDonagh in a 'trophy room' in the Hephaestus Power Facility. In this video game, a character who gives up playing a *scherzo* on the piano is blown up with dynamite. In this spiritual successor to a non-*Thief* game by Looking Glass Studios, a banner on a gold statue reads "No (\*) gods or kings, only man". An antagonist in this game forces the player to beat him to death with a golf club and asks "is a man not entitled to the sweat of his brow". Andrew Ryan spouts the philosophy of Ayn Rand in, for 10 points, what video game set in the underwater city of Rapture and succeeded by *Infinite*?**

ANSWER: BioShock [do not accept or prompt on "BioShock Infinite"]

**15. One character in this novel declares it is impossible to dig a dry grave in this novel's setting. One character in this novel takes out a loan to replace his collar of raccoon fur with one made from German beaver. The narrator of this novel is obsessed with "two times two makes four" and with the concept of the Crystal Palace. The narrator of this novel angrily paces up and down for three hours in front of his former classmates, after inviting himself to a (\*) farewell dinner for Zverkov. In this novel's section "Apropos of the Wet Snow", the narrator attempts to give a five-rouble note to the prostitute Liza. For 10 points name this existentialist novel narrated by a retired civil servant, written by Fyodor Dostoevsky.**

ANSWER: Notes from Underground [or Notes from the Underground; or Letters from the Underworld; or Zapiski iz podpol'ya] <EWL, Literature>

16. In one work, this composer unusually suggests using the index and fourth finger on alternating hands to play passages of successive thirds, to prevent legato. Eduard Hanslick criticised the use of a solo triangle in a piano concerto by this composer, the opening bars of which are said to be set to the words "None of you understand this, haha!" A piece by this composer begins with two (\*) C-sharps, which is answered by two quick C-sharp major chords. That work forms part of a collection of similar pieces consisting of slow *lassan* and fast *friska* sections. This man included pieces nicknamed *Feux follets* and *Mazeppa* as part of his incredibly difficult *Transcendental Études*. For 10 points, name this composer of 19 *Hungarian Rhapsodies*.

ANSWER: Franz Liszt [or Liszt Ferenc] <BS, Auditory Fine Arts>

17. In *Heavy Rain*, the trial of this number is called the Lizard, and involves Ethan recording himself cutting off one of his own fingers. The *Final Fantasy* game of this number is the first to use the job system of classes, and the first to have the Summon ability. In the *Mario Kart* franchise, the player starts with this many balloons in Battle Mode, while in the first *Sonic The Hedgehog*, there are this number of (\*) acts in the Green Hill Zone. The *Mass Effect* game of this number received an 'Extended Cut' update after public backlash about its ending. The annual video game industry trade fair is usually known as "E <this number>", short for Electronic Entertainment Expo. For ten points, name this number of pieces of *The Legend of Zelda's* Triforce.

ANSWER: three [accept Final Fantasy III, Mass Effect 3, or E3] <Angels, Trash>

18. One member of this man's regime, Luckner Cambronne, ran a plasma export business called Hemo-Caribbean through Miami thought to have helped spread AIDS in the USA. This politician had all the black dogs in his country shot as he claimed a political rival had turned into one. This man helped found the journal *Les Griots* and favoured a policy of (\*) *noirisme* in government in opposition to the mulatto middle class. Clément Barbot served in this man's stead while he was comatose for nine hours. A popular bogeyman "Uncle Gunnysack" leant his name to a secret police force established by this man, the *Tonton Macoute*. For 10 points, name this Haitian dictator who was succeeded by his nineteen-year old son Jean-Charles.

ANSWER: Francois Duvalier [or "Papa Doc"; prompt on "Duvalier"] <DJ, History>

19. This company was fined £1 million in 2006 over a salmonella outbreak stemming from its Marlbrook factory. It's not Coca-Cola, but a 2007 demerger by this company formed the Dr Pepper Snapple Group. This company's Somerdale factory just outside Bristol closed when production moved to (\*) Poland in 2011; this original inventor of Smash instant mash had inherited that factory from J.S. Fry & Sons. US shops selling the superior products made by this company have been sued by Hershey's. In 2010, Kraft bought, for 10 points, what confectionary company who housed workers at the model village of Bournville and make Dairy Milk?

ANSWER: Cadbury [or Cadbury's] <DK, Miscellaneous>

20. This city's railway station contains a fifteen-floor escalator that runs the length of a city block under a lattice roof. The tree-lined Philosopher's Path runs along a canal between two temples in the east of this city. Five giant fires are lit on the mountains around this city as the culmination of the (\*) Obon festival, and the Gion ["ghee-on"] festival is named for a district of this northernmost major city of Kansai. A path under thousands of red *torii* ["toh-ree-ee"] gates connects parts of this city's Fushimi Inari Shrine. Going west, the penultimate stop on the Tokaido Shinkansen before Osaka terminus is, for 10 points, what city of west Japan, not to be confused with Tokyo?

ANSWER: Kyōto <PA/ED, Geography>

## Bonuses

1. This portable structure was the earthly meeting place of God with the Israelites, though was later superseded by Solomon's Temple as the earthly dwelling place of God in centuries to follow. For 10 points each:

[10] Name this structure, primarily built by Bezalel, whose construction is described in Exodus and whose Hebrew name is *mishkan*.

ANSWER: **Tabernacle**

[10] The construction of the Tabernacle was revealed by God to Moses at this Biblical mountain, where he also received the Ten Commandments.

ANSWER: Mount **Sinai** [or Mount **Horeb**, **Har HaElohim**, **Har Bashan**, **Har Gebnunim**, or **Jabal Musa**]

[10] This term is used to describe the central inner sanctuary of the Tabernacle, where God dwelt, and where the Ark of the Covenant was stored.

ANSWER: **Holy of Holies** [accept **Qodes HaQodasim**]

2. With the Russiagate events still unfolding, let's go back to the affair that started it all: Watergate. For 10 points each.

[10] A pivotal moment in Watergate was this event of October 20th, 1973, when the Attorney General and his deputy resigned rather than comply with Nixon's order to fire special prosecutor Cox.

ANSWER: **Saturday Night Massacre**

[10] Although Cox was eventually fired, the political fallout forced Nixon to appoint this man as special prosecutor for Watergate.

ANSWER: Leon **Jaworski**

[10] Jaworski asked for tapes of incriminating White House conversations. The obtained tapes were heavily edited, with this now-notorious phrase used to censor profanity.

ANSWER: **[EXPLETIVE DELETED]** <PA, History>

3. The city of Toledo, Ohio, followed its Spanish namesake into being an important city to the world of art. For 10 points each:

[10] This painter, who included dark, swirling clouds in his *View of Toledo*, used similar clouds and a giant dark rock to enhance the apparent height of Christ in his version of the *Agony in the Garden* housed in Toledo, Ohio.

ANSWER: **El Greco** [or Domenikos **Theotokopoulos**]

[10] As well as that *Agony in the Garden*, the Toledo Museum of Art houses another painting centred on the central figure's triangular, pinkish dress – in this case, a painting by this artist of a woman engaged in a flirtatious game of *Blind Man's Buff*.

ANSWER: Jean-Honoré **Fragonard**

[10] This architect designed a Center for the Visual Arts for the Toledo Museum of Art consisting of multi-angled lead-copper clad surfaces with rooflines at many levels. This architect also added a titanium-clad spiral staircase and a long glass façade to the Art Gallery of Ontario.

ANSWER: Frank (Owen) **Gehry** [or Frank Owen **Goldberg**] <ED, Visual Fine Arts>

4. 26th of January is Australia Day, or, in the native language, "Straya Day". For 10 points each:

[10] Australia Day commemorates the arrival of this group of ships commanded by Arthur Phillip which carried the settlers and convicts that would establish the Colony of New South Wales.

ANSWER: **First Fleet**

[10] In 1829 the Colony of Western Australia was founded with this name, after the geographical feature the settlers first arrived at.

ANSWER: **Swan River** Colony

[10] A crucial event in Australian nationhood was this crushed rebellion of 1854, when gold miners in Ballarat protested to gain voting rights.

ANSWER: **Eureka** Rebellion or Battle of the **Eureka** Stockade <PA, History>

5. This philosopher used examples of a magistrate choosing whether to frame an innocent person for a crime or let a rioting mob kill five hostages in one thought experiment. For 10 points each:

[10] Name this English philosopher, who also created a philosophical 'problem' in which the driver of a runaway tram can divert it onto a track with five men working on it.

ANSWER: Philippa **Foot**

[10] Foot argued for this form of normative ethics, in which moral characteristics such as eudaimonia are emphasised instead of consequences of actions or following moral rules.

ANSWER: **virtue** ethics

[10] This philosopher may have been an early virtue ethicist, arguing for the pursuit of eudaimonia in his *Nicomachean Ethics*.

ANSWER: **Aristotle** <FCM, Philosophy>

6. When the narrator visits the title location of this story, he is anguished that the only sound he can hear is "the fall of the coins". For 10 points each:

[10] Name this story, in which the narrator is obsessed with visiting the title bazaar to buy a gift for Mangan's sister.

ANSWER: "**Araby**"

[10] "Araby" appears along with "The Dead" in this collection of 15 short stories about the title inhabitants of an Irish city, by James Joyce.

ANSWER: **Dubliners**

[10] The main characters of this story, Lenehan and Corley, also appear in various episodes of *Ulysses*. The printers of *Dubliners* refused to set this story on grounds of obscenity, and it details how Corley seduces a maid and convinces her to steal a gold coin from her employers.

ANSWER: "**Two Gallants**" <EWL, Literature>

7. The flow of bile and pancreatic juices into this structure is controlled by the Sphincter of Oddi. For 10 points each:

[10] Name this first part of the small intestine, which connects the stomach to the jejunum.

ANSWER: **duodenum**

[10] Ulceration of the duodenum and stomach can be caused by this gram-negative bacterium, which possibly evolved into a helix shape to penetrate the stomach lining.

ANSWER: *Helicobacter pylori* [or **H. pylori**; prompt on *Helicobacter* alone]

[10] These glands, named for a Swiss physician and found only in the duodenum, secrete bicarbonate to neutralise stomach acid and provide an alkaline environment for intestinal enzymes to function.

ANSWER: **Brunner's** glands <EWL, Biology>

8. For 10 points each, answer some questions on a common term used in classical music.

[10] Mozart's *Serenade No. 13 for Strings in G major* is more commonly known by this three-word German title. This piece begins with a G major chord, followed by a theme based on the Mannheim rocket.

ANSWER: **Eine Kleine Nachtmusik**

[10] The second and fourth movements of this Mahler symphony are both referred to by the term *Nachtmusik*. The former movement was compared by Mahler to Rembrandt's *The Night Watch*, and the latter unusually features parts for guitar and mandolin.

ANSWER: Symphony No. **7** [accept **Song of the Night** or **Lied der Nacht**]

[10] In contrast to Mozart's jolly *Eine Kleine Nachtmusik*, this composer used eerie dissonances and imitated animals to evoke the night in his "Night Music" style, which he used in the third movement of his *Music for Strings, Percussion, and Celesta*.

ANSWER: Béla **Bartók** <Angels, Auditory Fine Arts>

9. Artists who began their careers on this label include Nolan Strong & the Diablos and Andre Williams.

For 10 points each:

[10] Name this independent label, owned by Jack and Devora Brown, and favoured a more unrestrained and raw sound over the more polished production of its city rivals Motown Records.

ANSWER: **Fortune** Records

[10] Fortune Records and Motown Records were both founded in this Michigan city.

ANSWER: **Detroit**

[10] This artist released "(Miss Sadie Mae) Curl My Baby's Hair" and "Crazy About That Walk" on Fortune Records though he is more well-known for songs such as "Boogie Chillen'" and "Boom".

ANSWER: John Lee **Hooker** <Angels, Trash>

10. For 10 points each, name some popular musicians who have appeared on *The Simpsons*:

[10] This singer voiced one personality of a character who meets Homer in a mental institution and helps Bart compose a birthday song for Lisa.

ANSWER: Michael (Joseph) **Jackson**

[10] This Irish rock band appeared concerned by the environmental issue of waste management in an episode in which their bassist Adam Clayton delightedly collected a "Springfield spoon" and angered Ofcom by saying "wanker".

ANSWER: **U2**

[10] In another episode, Lisa plays guitar while this singer urges "don't bother the snakes" while using his bass voice to lure the targets of "Whacking Day" inside 742 Evergreen Terrace.

ANSWER: Barry **White** [or Barry Eugene **Carter**] <JL, Miscellaneous>

11. The Irving-Williams series predicts a general increase in the stability of coordination complexes with divalent ions of first-row transition metals. For 10 points each:

[10] The general increase in stability correlates with the decrease in this property from Mn(II) ["manganese-two"] to Zn(II) ["zinc-two"], which is caused by an increase in nuclear charge. This quantity will also increase down a group.

ANSWER: ionic **radius** [generously accept atomic **radius**]

[10] The Irving-Williams series reaches a maximum for the 2+ ["two-plus"] ion of this element, which is located between nickel and zinc in the first-row transition metals.

ANSWER: **copper**

[10] One proposed reason for the stability of Cu(II) ["copper-two"] complexes is that they undergo this mechanism of symmetry breaking, where the complex undergoes a tetragonal distortion to break the degeneracy of asymmetrically-occupied molecular orbitals.

ANSWER: **Jahn-Teller** effect <EWL, Chemistry>

12. The earliest archaeological evidence of use of this substance is from Olmec culture, where it was used to make balls used in the Mesoamerican ballgame. For 10 points each:

[10] Name this useful, everyday substance that was extracted using forced labour in the Congo Free State and was vulcanised by Charles Goodyear.

ANSWER: natural **rubber** [accept India **rubber**, **latex**, **gum elastic** and **caoutchouc**]

[10] The Goodyear Tire and Rubber Company was founded in 1898 by Frank Seiberling in this Ohio city. This city, nicknamed "Rubber City" and "Rubber Capital of the World", saw a strike by rubber factory workers in 1936.

ANSWER: **Akron**

[10] This US industrialist negotiated a deal with the Brazilian government in 1926 to enable him to develop a colony for cultivating rubber in the state of Pará. Poor rubber tree growing conditions and the increased use of synthetic rubber saw the colony, which bore this man's name, abandoned in 1934.

ANSWER: Henry **Ford** [the colony was Fordlândia] <DK, History>

13. In a recent match against Australia, this cricket team's captain Mithali Raj became the highest run scorer in women's one day internationals. For ten points each:

[10] Name this team, who were defeated by England in the recent Women's Cricket World Cup final.

ANSWER: **India**

[10] This Somerset and England bowler took six wickets for 46 runs in the World Cup final, the most wickets in a Women's World Cup final.

ANSWER: Anya **Shrubsole**

[10] When England last won the Women's Cricket World Cup in 2009, they were captained by this batsman, the second highest ODI run scorer after Mithali Raj.

ANSWER: Charlotte **Edwards** <FCM, Trash>

14. For 10 points each, answer these bonuses on fortified wines:

[10] This fortified wine is made from white grapes grown in its namesake "triangle" in Andalusia. Common varieties of this fortified wine include Fino and Manzanillo.

ANSWER: **sherry** [or **Jerez**]

[10] Similar to sherry is this fortified wine produced in the region surrounding its namesake city in the west of Sicily. This drink was traditionally served between the first and second courses of a meal.

ANSWER: **Marsala**

[10] Sun-dried Xynisteri and Mavro grapes are used to produce this Cypriot dessert wine. Richard the Lionheart supposedly called this wine "the wine of kings and the king of wines" at his wedding to Berengaria of Navarre.

ANSWER: **Commandaria** [accept **Commanderia** or **Couma(n)darka**] <DK, Miscellaneous>

15. Despite having no semantic meaning, the sentence "colourless green ideas sleep furiously" abides by this set of rules. For 10 points each:

[10] Name this syntactic and morphological set of rules which govern the correct usage of a language.

ANSWER: **grammar** [accept more specific forms, such as **universal grammar**]

[10] This MIT linguist used the sentence "colourless green ideas sleep furiously" in his book *Syntactic Structures*. He used the idea of a universal grammar to describe the innate set of rules in all human languages.

ANSWER: Noam **Chomsky**

[10] This grammar, which Chomsky introduced in his *Syntactic Structures*, can be used to convert deep structures of sentences into surface structures.

ANSWER: **transformational** grammar <FCM, Social Science>

16. This book reportedly became one of the best-selling 'rare books' in Iran in 2011 after Mir-Hossein Mousavi told his daughters to read this book to understand his house arrest. For 10 points each:

[10] Name this non-fiction novel, which details a series of abductions by the Medellín Cartel.

ANSWER: **News of a Kidnapping** [or **Noticia de un secuestro**]

[10] *News of a Kidnapping* is a work by this Colombian author, who featured the town of Macondo in *One Hundred Years of Solitude*.

ANSWER: Gabriel **García Márquez** [we'll be nice and prompt on a partial answer]

[10] This pseudo-journalistic novella by García Márquez recounts the murder of the Arab Santiago Nasar by the Vicario twins, where everyone seems to know about it but does nothing to stop it.

ANSWER: **Chronicle of a Death Foretold** [or **Crónica de una muerte anunciada**] <EWL, Literature>

17. A disagreement between this value and the zero-point energy of quantum field theory suggests that this value could be 10 to the power of 120 times larger than currently predicted. For 10 points each:



[10] Name this quantity, the introduction of which Einstein described as his “greatest blunder”. It represents the energy density of a vacuum.

ANSWER: **cosmological constant** [prompt on “lambda”]

[10] The cosmological constant appears in the Lambda-CDM model, which considers the “cold” form of this substance. This substance doesn’t interact with electromagnetic radiation and was first discovered in the Coma cluster by Fritz Zwicky.

ANSWER: **dark matter** [do not accept “dark energy”]

[10] This space observatory confirmed WMAP’s prediction that the universe was 26% composed of dark matter. It also supported the Lambda-CDM model by validating the simplest models of inflation.

ANSWER: **Planck** [or **COBRAS/SAMBA**] <EWL, Physics>

18. All the land above 3000 feet (910 m) in England is located in this national park. For 10 points each:

[10] Name this national park in Cumbria that is home to Windermere.

ANSWER: **Lake District** National Park

[10] This northern gateway to the Lake District is usually considered to be this town at the northern end of Derwent Water, which is also home to that favourite rainy day tourist attraction, the Pencil Museum.

ANSWER: **Keswick**

[10] This Lake District pass’s particularly brutal ascent from Ambleside is known as “The Struggle” and it enables people to travel between Windermere and Patterdale.

ANSWER: **Kirkstone** Pass <Angels of Islington/DK, Geography>

19. One song by this group describes the title characters “standing here/exposing ourselves”, before they “go into a club/and start to dance”. For 10 points each:

[10] Name this band, who included the song ‘Showroom Dummies’ on a 1977 album.

ANSWER: **Kraftwerk**

[10] Showroom Dummies appears on this album, along with ‘Europe Endless’ and the title track, which sees the singer ‘meet Iggy Pop and David Bowie’ on a train journey.

ANSWER: **Trans-Europe Express**

[10] Kraftwerk’s best-known album is this 1974 release, which features a 22 minute track describing a drive on a German motorway.

ANSWER: **Autobahn** <FCM, Trash>

20. Answer the following about the City Lights Pocket Poets Series, for 10 points each:

[10] The series of poetry collections was published by this owner of the San Francisco City Lights Bookstore, who included “Junkman’s Obligato” in the collection *A Coney Island of the Mind*.

ANSWER: Lawrence **Ferlinghetti**

[10] The fourth volume of the Pocket Poets Series led to an obscenity trial since it published this Allen Ginsberg poem, which claims “I saw the best minds of my generation destroyed by madness”.

ANSWER: “**Howl**”

[10] This poet published more collections in the Pocket Poets Series than any other. This poet also recorded an album where he read his *American Haikus* accompanied by two jazz saxophonists.

ANSWER: Jack **Kerouac** [or Jean-Louis Lebris de **K rouac**] <EWL, Literature>