

MKULTR4: Very Vague And Not Well-Funded

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Packet by Edinburgh & Christmas Ape Goes To Summer Camp

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## Tossups

1. **In a poem by Stesichorus, this person is the child of Theseus by Helen. Hesiod describes how this woman is turned into Hecate by another goddess. King Thoas tasks this person with sacrificing Pylades and his mad companion, but they escape when this priestess convinces the king to wash a statue and the men in the sea. In one story, this person is substituted with a (\*) deer and taken to the land of the Taureans. In another story, this woman is killed in order to fulfil a promise made by her father to Artemis that he would kill the most beautiful thing born in the year of her birth; that sacrifice allows his ships to leave Aulis for the Trojan War. For 10 points, identify this eldest daughter of Agamemnon and Clytemnestra.**

ANSWER: Iphigenia [accept Iphimede]<Ape>

2. **In one film from this country, a boy puts his sister's shoes down to buy potatoes, only for a blind dustman to steal the shoes for his own daughter. In another film from this country, a taxidermist explains how eating mulberries convinced him to stay alive in an effort to help the protagonist, who has dug his own grave. In addition to (\*) *Taste of Cherry*, this country produced an animated movie in which a woman is convinced not to kill herself by God and Karl Marx, and rebels by buying illegal punk rock tapes. In a 2016 film from this country, a woman is assaulted while preparing for an Arthur Miller play; that film's director did not attend the Oscars in protest at the travel ban on his country's citizens. For 10 points, name this country, home to Abbas Kiarostami and Asghar Farhadi, who directed *The Salesman*.**

ANSWER: Islamic Republic of Iran <Ape>

3. **In one novel from this country, the title aging prostitute ends up unexpectedly pregnant after she abandons the club *Tropicana* to move back to the countryside in a failed attempt to woo the young teacher Freddie. In another novel, this country is where the once-humble bar-owner Madame Koto joins the Party of the Rich, and attempts to steal the blood of a young boy to maintain her youth. After moving to England to study (\*) law, the protagonist of another novel from this country falls in love with Clara, but ends up on trial after taking a bribe. Home to Obi and his grandfather Ogbuefi Okonkwo, for 10 points, name this country of the writers Cyprian Ekwensi, Ben Okri and Chinua Achebe.**

ANSWER: Federal Republic of Nigeria

4. *[Note: specific answer required]* **During the Genpei War, this was used as a symbol of the Minamoto clan. In the Afghan Civil War, this object was used to symbolize the Taliban and in 1997, after establishing the Islamic Emirate of Afghanistan, a shahada was added to its original representation. Tacitus wrote of the Roman army holding up this object instead of raising their shields above their heads which denotes an early example of this object's (\*) most recognized meaning. Buddhist countries often hold up one of these objects as a symbol of mourning because it represents purity and rebirth. For 10 points, name these plainly coloured objects that are recognized as a protective sign of truce and, when raised, can also indicate surrender.**

ANSWER: white flags [prompt on partial answer]

5. **In one study, this writer described how no lines of less than ten syllables or lines with extrametrical syllables mid-line were used in the prosody *Paradise Lost*; that work would later influence his use of Neo-Miltonic syllabics in "Poor Poll". This poet described how "The daily**

thoughts of labour and sorrow slumber/At the sight of the beauty that greets them, for the charm they have broken” in one poem. While living in Yattendon, this man translated Joachim Neander’s “All my Hope on God is Founded”. This poet arranged the posthumous publication of the works of (\*) Gerard Manley Hopkins. For 10 points, identify this Poet Laureate of “London Snow” who published *The Testament of Beauty* aged 85.

ANSWER: Robert Bridges

6. One ritual in this religion features an eponymous chant that opens with the words “Eko, eko, azarak”. Either Jain Digambara monks or the text *Aradia* may have inspired some rituals in this religion, which use the text of the *Charge of the Goddess* and are performed ‘skyclad’. The term “esbat” is used by members of this tradition to refer to meetings outside of the normal cycle of eight (\*) sabbats, which follows the wheel of the year. The term “fluffy bunny” has been used by adherents of this tradition to refer to followers who they believe have superficial interests, and this tradition was popularized by Gerald Gardner, who stressed his links to the historic New Forest Coven. For 10 points, identify this pagan religious movement, whose followers perform the Drawing Down of the Moon and the fivefold kiss.

ANSWER: Wiccan [prompt on ‘pagan’, ‘neopagan’, or ‘witch/witchcraft’] <EL/Ape>

7. In 2014, Dutch students Kris Kremers and Lisanne Froon were found dead in this country after hiking the “Pianist” trail near Boquete. That trail is located in Chiriquí province, which contains this nation’s highest point, Barú Volcano. Thomas Drummond attempted to found the colony of (\*) Caledonia in a region of this country which is navigated using piragua boats and has prevented the spread of foot-and-mouth disease to this country. The Chagres river flows into this country’s manmade Lake Gatun, which is utilised by a structure that connects Balboa on the Pacific and Colon on the Caribbean Sea. Sharing the Darién Gap with Colombia, for 10 points, name this Central American nation which has a namesake Canal.

ANSWER: Panama

8. This is the number of parameters in a popular exchange-correlation functional named for Becke, Lee, Yang and Parr. Compounds in the octahedral point group have 8 axes of this many-fold rotation. Complexes of iridium and rhodium in this oxidation state are kinetically nearly inert. A ring of this many carbon atoms displays significant “banana bonding”. This is the number of d-orbitals which make up the (\*) t-2-g energy level in transition metal complexes. The lanthanide elements are almost always found in this oxidation state, as are aluminium and boron. This many orbitals make up the p-subshell. For 10 points, give this number of oxygen atoms in a nitrate ion, the total number of atoms in a molecule of water.

ANSWER: 3

9. A high-profile intellectual property case between Regeneron and Kymab revolved around the production of “reverse chimeric” loci in members of this order. This order of animals are the most common subjects of the Morris water maze task for testing spatial learning. Animals in this order are the primary mammalian subjects of gene knockout experiments. The (\*) anal scent glands of an animal in this order are harvested to produce a component of artificial vanilla flavouring called castoreum. A highly social species of burrowing animals in this order which live in “towns” are prairie dogs. For 10 points, name this mammalian order which includes beavers and mice.

ANSWER: Rodents (or Rodentia)

10. In 1998, a level of volcanic activity uncharacteristic for this area was detected in the Compton-Belkovich anomaly, a location in this area which has been pinpointed as a potential site for thorium mining. One prevalent theory about crust thickness in this area relates it to lack of exposure to high temperatures. The Chang’e [*chang-uh*] 4 mission, due to be launched in

**December 2018, is planned to culminate in the first controlled landing of a spacecraft in this area, with communications facilitated via a (\*) relay satellite.** Julius Fran was able to observe this region's Mare Orientale due to libration. For 10 points, name this region of a celestial body which, because of tidal locking, can never be observed directly from Earth.

ANSWER: The **far side of the Moon** (accept **dark side of the Moon** as it's commonly called that, prompt on 'the Moon')

**11. In one episode of this show, a huge bag of cocaine hidden inside a speaker ends up being sold to Bingo for just \$300. One character on this show creates the alter ego of sassy Puerto Rican reporter "Martina Martinez", and pretends to be a man to try out for a local football team against Doyle, whose vengeful siblings take this show's protagonists hostage and force them to drink milk in their (\*) dressing gowns. Another character in this show proclaims himself an expert on bird law, orders milksteak with jelly beans on a disastrous date, and pens the musical "The Nightman Cometh" in an attempt to woo the waitress that he stalks. For 10 points, name this show in which Charlie, Mac, Dennis and Dee run Paddy's Pub with Frank Reynolds, played by Danny DeVito.**

ANSWER: **It's Always Sunny in Philadelphia** [prompt on partial] <Ape>

**12. Chicken-thief Jack Skinner successfully legally challenged this state's 1935 habitual Criminal Sterilization Act in a landmark Supreme Court eugenics case. Angie Debo wrote about the five civilized tribes living in the territory that is now this state in *And Still the Waters Run*. David Payne led the Boomer movement which sought to capture Unassigned Lands in this state before they were opened to settlement by (\*) Grover Cleveland. This state got its nickname from a clause denying land to people who entered too soon. The Greenwood district of city in this state was firebombed in a 1921 Race Riot in the city of Tulsa. For 10 points, identify this 46th State which occupies most of Texas' northern border.**

ANSWER: **Oklahoma**

**13. In one of this author's works, a flat star-shaped creature called Odradek appears and disappears at intervals in the house of the narrator, who can't catch it or fathom its nature. In another of his works, a man tries to obtain some coal on credit, but is rebuffed by the coal merchant and his wife, and flies off into the ice mountains on a bucket. In another story by this author of "The Bucket Rider", a (\*) condemned man is set free while his would-be executioner is killed by his own malfunctioning device without having his body marked in the customary manner. In one work by this author, an apple thrown at the central character lodges in his back. For 10 points, "In the Penal Colony" and *The Metamorphosis* are works by what Czech author?**

ANSWER: Franz **Kafka**

**14. In a 2015 game between UCLA and Kansas State, the speed with which Jim Mora performed this action visibly caught Bill Snyder by surprise. In 2011, the performance of this action by Jim Harbaugh and Jim Schwartz led to a mass confrontation between players of the San Francisco 49ers and Detroit Lions. In fencing, this action is performed with the non-sword (\*) hand, and refusal to perform it results in a black card. At a Wimbledon semifinal, Agnieszka Radwanska controversially performed this action without looking at Sabine Lisicki. In a January 2018 game, Neymar feigned performing this action with Hamari Traore. For 10 points, identify this gesture of respect which Wayne Bridge and Anton Ferdinand have both refused to perform with John Terry.**

ANSWER: **Handshake**

**15. A poem by Paul Klee which also mentions blue is titled *Once Emerged from [this color] of night* and contains a central band of this colour which he considered to result from the blending of complementary colours. In a letter written while studying Constable in London, Eugene Delacroix described this colour as "the enemy of all painting" and it is the first of two title colors in a**

**painting of (\*)** Thomas Carlyle sitting looking to the left. This is the color of the cape that James Whistler wears in his self-portrait titled *Arrangement in* [this color]. For 10 points, name this color, featured along with black in an arrangement by James McNeill Whistler depicting his mother.

ANSWER: grey

**16. Bryan Hitch and Mark Millar were inspired by this thinker's ideas to create the Chitauri, and a visit to the Sillustani ruins in Peru inspired this thinker's turquoise period. This figure served as Principal Speaker of the Green Party along with Sara Parkin, and visited the medium Betty Shine after suffering from arthritis, which led him to begin prophesying. He built on the ideas of Zecharia Sitchin to argue in his work (\*)** *The Biggest Secret* that the Annunaki formed the Babylonian Brotherhood, a race of hybrid people from the constellation Draco. For 10 points, name this anti-Semitic former Hereford City goalkeeper, known for advocating conspiracy theories about prominent world figures being shape shifting lizard-people.

ANSWER: David Icke <Ape>

**17. The formal semantics of these entities has its roots in the work of C. I. Lewis and Rudolf Carnap, and was pioneered in the 1950s and '60s by Jaakko Hintikka. According to Robert Stalnaker's realist conception, these things are abstract components of actuality. Kripke himself claimed that these things are epistemically useful fictions. David Lewis argued that these things are causally closed, concrete objects comprising (\*)** counterparts of actual objects. These things were first discussed by Leibniz in his attempt to provide a solution to the problem of evil. For 10 points, name these alternative states of affairs, of which Pangloss claims that "all is for the best" in the best of them.

ANSWER: possible worlds

**18. In this city, Geoffrey Mander became the first to have their house accepted by the National Trust while they were still alive when they accepted Wightwick Manor. This city was home to the UK's first automatic traffic lights. Queen Victoria's first public appearance after the death of Prince Albert was to inaugurate an equestrian statue of him in this city. An MP for this city headed the Poor Law Board under Lord Palmerston. That longest serving MP, Charles Pelham Villiers, served a constituency in this city. An MP for this city described in one speech delivered in (\*)** Birmingham how "like the Roman, I seem to see the River Tiber foaming with much blood." For 10 points, name this city in Staffordshire represented by Enoch Powell.

ANSWER: Wolverhampton

**19. An overture by this composer opens with an ostinato featuring timpani playing one quaver then four semiquavers twice followed by low strings ominously playing A, B-flat, A. Another work by this composer opens with violins playing contrary motion, dissonant arpeggios, before a loud brass entry playing D, C, then E-flat, D. This composer was credited as a "sound consultant" on a (\*)** film that featured no incidental score. In one of the most famous sections written by this composer, shrill violins play increasingly dissonant chords and accompany images of Janet Leigh being stabbed in a shower. A long time collaborator of Alfred Hitchcock, for 10 points name this composer of film scores including for *Psycho* and *Vertigo*.

ANSWER: Bernard Herrmann [accept Max Herrmann] <Christmas Ape>

**20. A rapid-acting form of this device, named 'Windermere', is found on some steam vessels. Adolfo Pirelli is beaten to death with one of these items in the film *Sweeney Todd: The Demon Barber of Fleet Street*. A 2013 paper by Cambridge researchers Ross Henrywood and Anurag Agarwal analysed the previously unexplained aeroacoustics behind the noise made by a certain type of these items. A 2012 European Court of Human Rights ruling stated that a (\*)** tactic named for these things was not wrongful detention. A Scottish children's television series was named for a singing one of

these devices, and bright copper versions are listed among *My Favourite Things*. For 10 points, name these household devices used to boil water and metaphorically called black by the pot.

ANSWER: **Kettles** [accept **kettling**] <EL/Edinburgh>

## Bonuses

1. The voice acting work of this man includes the character Thurgood Orenthal Stubbs in *The PJs*, a series he conceived himself. For 10 points each:

[10] Identify this American comedian who also yells “Dishonour on you! Dishonour on your cow!” at the title character of a 1998 Disney animated film.

ANSWER: Eddie **Murphy**

[10] That line appears in this Disney film in which Eddie Murphy plays the dragon Mushu, while the title character is voiced by Ming-Na Wen.

ANSWER: **Mulan**

[10] As well as voicing Donkey in a notable animated film series, Murphy played that role in this 2007 festive TV spin-off from that series, titled as a pun on a Christmas carol.

ANSWER: **Shrek the Halls** <EL/Edinburgh>

2. Reese Witherspoon is an inspiration for us all. For 10 points each:

[10] Both Abbi and Ilana’s brother have bags recommended by Reese Witherspoon on this TV show, although one gets thrown off a plane in the Series 3 finale as they prepare to fly to Israel.

ANSWER: **Broad City**

[10] This “glamazon bitch who’s ready for the runway” called meeting Reese Witherspoon what “the world has been waiting for”. This openly gay figure skater rocked a Moschino harness on the Oscars red carpet.

ANSWER: Adam **Rippon**

[10] Witherspoon has used her company Pacific Standard to champion a different dynamic for women on film, including in this TV series, which she co-produces and stars in with Nicole Kidman and Laura Dern.

ANSWER: **Big Little Lies** <EL/Ape>

3. For 10 points each, answer some questions about cyclic chemical compounds.

[10] These supramolecular structures are contrasted with rotaxanes, and consist of two mechanically interlocked rings.

ANSWER: **catenanes**

[10] One method for stapling catenanes together uses the ring-closing form of this reaction which uses Grubbs’ Catalyst and releases ethylene as a byproduct.

ANSWER: alkene **metathesis**

[10] One difficulty with making cyclic compounds is that at high concentrations, the cyclisation reaction competes with this type of reaction. These reactions can be sped up by Ziegler-Natta catalysts.

ANSWER: **Polymerisations**

4. In a poem titled for this character, Astolfo travels to the Moon in Elijah’s chariot to find a bottle of wits and cure this man of his all-consuming passion for Angelica. For 10 points each:

[10] Name this Christian knight and nephew of Charlemagne, who is described as “Furioso” in the title of a poem by Ludovico Ariosto.

ANSWER: **Orlando**

[10] *Orlando Furioso* continues the story of Orlando begun in Boiardo's epic *Orlando Innamorato*. Both poems are written in this form popularised by Boccaccio, which was also used for Yeats' "Sailing to Byzantium".

ANSWER: **ottava rima**

[10] In *Orlando Furioso*, this legendary item of clothing makes an appearance, being used by Orlando's cousin Rinaldo to protect himself during attacks by griffins and a fight with Gradasso.

ANSWER: **helmet of Mambrino**

5. This style of theatre impressed Benjamin Britten so much during a 1956 visit that he used it as inspiration for his ballet *The Prince of the Pagodas*. For 10 points each:

[10] Name this style of theatre, developed during the Muromachi period by Kan'ami Kiyotsugi and Zeami Motokiyo. This aristocratic style is known for its traditionalism and elaborate masks.

ANSWER: **Noh**

[10] Noh plays were frequently performed back-to-back, separated by these 10-minute comic interludes featuring stock characters in slapstick scenarios. The name of these segments literally means "wild speech".

ANSWER: **kyōgen**

[10] Very few props are used in Noh plays, but every performer carries one of these items, which are used to represent any objects crucial to the plot and are placed in the *obi* when not being used.

ANSWER: **fan**

6. In the Gospel of Luke, Joseph of Arimathea selects this location "cut in the rock", and in the Gospel of Matthew the Roman authorities "made [it] secure by putting a seal on the stone". For 10 points each:

[10] Identify this location to which a number of women follow Joseph and return after the Sabbath.

ANSWER: **Jesus' Tomb** (accept clear-knowledge alternatives)

[10] The identities of the women who return to Jesus' tomb vary between accounts. The Gospel of Mark is the only one to mention a woman of this name, shared with the wife of Philip the Tetrarch.

ANSWER: **Salome**

[10] Soon after the discovery of the empty tomb, after Mary Magdalene recognises the resurrected Jesus, he immediately asks her not to do this, possibly as he was naked and did not want to tempt her.

ANSWER: **Touch** him (Don't **touch** me / Don't **cling** to me / *Noli me tangere* ; accept similar)

<EL/Edinburgh>

7. Alfonso IX of Leon was known as the Slobberer because of the foam which erupted from his mouth in his frequent fits of rage. For 10 points each:

[10] Alfonso also founded Spain's first university in this city, where Auguste de Marmont was later defeated by the Duke of Wellington.

ANSWER: **Salamanca**

[10] Perhaps the most famous establishment of Alfonso IX's reign was this cathedral, which forms the end of the Way of St. James pilgrimage route.

ANSWER: **Santiago de Compostela**

[10] By allying with Muslims to invade the territories of his enemies and marrying his second cousin once removed, Alfonso invoked the ire of the third Pope of this name, the predecessor to Innocent III. The fifth Pope of this name was the last to be elected outside of a conclave.

ANSWER: **Celestine**

8. For 10 points each, answer some questions about cyborgs:

[10] This author of *A Cyborg Manifesto* used cyborgs to argue for "affinity politics" rather than biological essentialism as a basis of identity, since they lack a human body but maintain a "coalition of consciousness".

ANSWER: Donna **Haraway**

[10] Posthumanist feminists have used the cyborg metaphor as a method of further deconstructing the “roles” associated with this concept, whose “Trouble” was analysed by Judith Butler.

ANSWER: **gender**

[10] Haraway’s cyborgs are frequently discussed with respect to this framework of overlapping social identities, known by a term coined by legal scholar Kimberlé Williams Crenshaw.

ANSWER: **intersectionality** <EL/Ape>

9. For 10 points, answer some questions about a famous result in graph theory.

[10] Appel and Haken proved in 1976 that, for any plane divided into contiguous regions, *this* is the maximum number of colours required to colour all of the regions without any two adjacent regions being the same colour.

Answer: **4** [or **four**]

[10] This generalisation of the four-colour theorem can be used to give a lower bound on the number of colours required to colour any given surface as a function of its genus, with one exception.

ANSWER: **Heawood** conjecture [or **Ringel-Youngs** theorem]

[10] This surface is the one exception to the Heawood conjecture, which can be always be coloured with 6 colours rather than the predicted 7. This two-dimensional manifold can be formed by “gluing together” two Möbius strips along their edges.

Answer: **Klein bottle** <Edinburgh/BS>

10. Answer some questions about subdivisions of US States. For 10 points each:

[10] This state is divided into boroughs and census areas instead of counties. One of the census areas, Yukon-Koyukuk is the largest in area despite being home to fewer than 6000 people.

ANSWER: **Alaska**

[10] Another state which eschews the term “counties” is Louisiana, which instead is divided into these subdivisions.

ANSWER: **Parishes**

[10] Several county names recur in multiple states. 31 have a Washington County and 27 a Jefferson County, but this is the most popular county name which isn’t shared with a President.

ANSWER: **Franklin** County

11. This commander built a canal between the Rhine and Meuse and argued that an enemy was defeated with the pickaxe rather than the sword. For 10 points each:

[10] Name this commander known for his campaigns against Parthia, who was the father in law of Domitian and the brother in law of Caligula.

ANSWER: Gnaeus Domitius **Corbulo**

[10] During the war with Parthia, Corbulo attacked the domains of Tiridates, the founder of the Armenian branch of this dynasty which ruled until the invasion of Khalid ibn Walid.

ANSWER: **Arsacid**

[10] At the instigation of Nero, Corbulo eventually committed suicide in this Greek city whose namesake isthmus was traversed by the diolkos, where he said his famous last word “Axios!”

ANSWER: **Corinth**

12. For 10 points each, answer the following questions about hard paste porcelain:

[10] The first major European centre for hard paste porcelain was developed by the German alchemist Johann Friedrich Böttger and was based in this German city, known for producing blue onion tableware and using the crossed swords trademark.

ANSWER: **Meissen**

[10] The use of China stone in hard paste porcelain dispenses with the need to add these mixes of sands and fluxes, which can be added to pottery to colour it and prevent it from breaking during firing.

ANSWER: **frit**

[10] Perhaps the most famous dinner service ever made from hard paste porcelain was made by Meissen for Heinrich von Bruhl. It depicted these birds in white, beneath cranes.

ANSWER: **swan**

13. For 10 points each, answer the following on Julia Kristeva's concept of *khora*:

[10] The word *khora* was originally used to refer to the part of a polis which was not the city and is used in this Platonic dialogue to describe a sort of womb-like receptacle in which the forms exist.

ANSWER: **Timaeus**

[10] Kristeva positions the *khora* as a realm characterized by the potentiality for meaning but not the actual physical realm of meaning-making. This has made it an important concept in this area of study, the study of meaning-making.

ANSWER: **semiotics**

[10] Kristeva also used the word *khora* to describe the first stage of psychosexual development. The second stage, between the *khora* and the mirror stage is described by Kristeva using this word, which she uses to describe the feeling of repulsion we feel when we realise we are separated from the womb.

ANSWER: **abject**

14. This club attracted welcome attention for their asymmetric David Shrigley-designed mascot. For 10 points each:

[10] Identify this Glasgow-based football club known as the Jags.

ANSWER: **Partick Thistle**

[10] This 4-time Partick Thistle manager is known for his suggestion, after finding out that striker Colin McGlashan was concussed, that his assistant "tell him he's Pele and get him back on".

ANSWER: John **Lambie**

[10] This former Liverpool defender played his early career for Partick Thistle. He is best known for excoriating poor defence on Match of the Day and for his untimely suggestion that "you can't win anything with kids".

ANSWER: Alan **Hansen**

15. This book describes individuals who simply passively accept their social status as being "Cheerful Robots" who are "the ultimate problem of freedom". For 10 points each:

[10] Name this book. It defines its title concept as "vivid awareness of the relationship between personal experience and the wider society" and challenges the ideas of Grand Theory and structural functionalism.

ANSWER: *The* **Sociological Imagination**

[10] *The Sociological Imagination* is by this author, who analysed middle management in *White Collar* and discussed how corporate, military and political leaders disenfranchise the average citizen in *The Power Elite*.

ANSWER: Charles Wright **Mills**

[10] Elite leaders and their "conspicuous consumption" were also discussed at length by Thorstein Veblen, in this economic and sociological critique of consumerism.

ANSWER: *The* **Theory of the Leisure Class**

16. For 10 points each, answer some questions on musical works which were published posthumously.

[10] This Frédéric Chopin work was published after his death, despite his request that none of his unpublished works be released. This C-sharp minor work opens with a loud octave G-sharp, and has persistent four-against-three rhythms throughout.

ANSWER: **Fantaisie-Improptu**

[10] This opera was left unfinished at its composer's death, leaving Rimsky-Korsakov and Glazunov to finish its composition. Glazunov apocryphally reconstructed the overture from memory, and wrote the trio "Vladimir! Is all this really true?" from scratch.

ANSWER: **Prince Igor**

[10] Only around half of the music for 'The Emerald Isle', a two-act comic opera with a libretto by Basil Hood, was completed by this composer before his death. His collaborations on works such as *The Mikado* and *HMS Pinafore* are better remembered.

Answer: Arthur **Sullivan** [prompt on Gilbert and Sullivan, asking "which one?"] <Edinburgh / BS>

17. In this novel, the protagonists live in "Dark London" but agree to clear land in "Halo London" in exchange for "40 metres and a pipe". For 10 points each:

[10] Name this novel about young lovers Nadia and Saeed, who travel to Mykonos, London, and ultimately Marin County, California after escaping their war-torn homeland by teleporting through mysterious doors.

ANSWER: **Exit West**

[10] *Exit West* is a novel by this Pakistani-American author of *How to Get Filthy Rich in Rising Asia*. He wrote about Changez talking to an American stranger in a café in Lahore in *The Reluctant Fundamentalist*.

ANSWER: Mohsin **Hamid**

[10] After 9/11, Changez decides to grow a beard in solidarity with his fellow Pakistanis. The decision comes after a trip to Chile, where he visits the home of this author of *Twenty Love Poems and a Song of Despair*.

ANSWER: Pablo **Neruda**

18. This man and his wife Adelina were crowned in an elaborate ceremony modelled on the coronation of Napoleon. For 10 points each:

[10] Identify this emperor who was overthrown in an 1859 coup led by Fabre Geffrard having earlier served as president of his country.

ANSWER: Emperor **Faustin I** [accept Faustin-Élie **Soulouque**]

[10] Faustin served as the only emperor of this country where he promoted the public worship of Vodou deities. This state was founded following a revolution led by Toussaint-L'Ouverture.

ANSWER: **Haiti**

[10] Francisco del Rosario Sanchez, Juan Pablo Duarte and Matias Ramon Mella led La Trinitaria, which agitated for this cause during the reign of Faustin I, rallying successfully at the gate of El Conde.

ANSWER: **Dominican Independence** from Haiti

19. Answer some questions about Ponceau dyes. For 10 points each:

[10] Ponceau dyes contain this functional group that consists of a nitrogen-nitrogen double bond separating two R groups.

ANSWER: **Azo** compounds

[10] The most commonly used Ponceau stain is Ponceau S which is used as a stain in this procedure where proteins are blotted onto a nitrocellulose membrane.

ANSWER: **Western** Blot

[10] Other Ponceau dyes are used in the food industry. For example the distinctive orange Ponceau 4R gives the colour to this Scottish soft drink that has had tragically had its sugar content reduced.

ANSWER: **Irn-Bru**

20. They emit highly coherent, collimated light. For 10 points each:

[10] Name these devices which can also be used in pointers to distract cats.

ANSWER: **LASERs** (or **Light Amplification by Stimulated Emission of Radiation**)

[10] These two quantities denoted A and B which describe the rates of spontaneous and stimulated emission of light are often useful in laser physics.

ANSWER: **Einstein coefficients**

[10] This apparatus is useful for manipulating small dielectric particles by trapping them within the beam waist of a very precisely focused laser.

ANSWER: **Optical tweezers**

### Tiebreaker

**Chicken-thief Jack Skinner successfully legally challenged this state's 1935 habitual Criminal Sterilization Act in a landmark supreme court eugenics case. Angie Debo wrote about the five civilized tribes living in the territory that is now this state in *And Still the Waters Run*. This state got its nickname from a clause whereby people who entered the state too soon would be denied the right to claim land. David Payne led the (\*) Boomer movement which sought to capture Unassigned Lands in this state before they were officially opened up to settlement by Grover Cleveland. The Greenwood district of city in this state was firebombed in a 1921 Race Riot in the city of Tulsa. For 10 points, identify this 46th State which occupies most of Texas' northern border.**

ANSWER: **Oklahoma**