

MKVLTRA: Tamashi Gunkan

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**Packet 12: This Is What I Get For Respecting The TD's Authority**

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### Tossups

1. **This painting's foreground is covered in shadow, presumably cast by Mount Pani, as the rocky headland in the background is identifiable as the Cap de Creus peninsula. One of this painting's central objects has a fly on it, which appears to cast a human shadow. The only one of the four similar objects in this painting to be closed is in the bottom-left of this painting, and is covered in (\*) ants.** This work is often assumed to be inspired by the theory of relativity, although its creator said it was inspired by watching a Camembert in the sun. Misshapen objects in this painting are draped over a tree branch and drooping over the edge of a wooden surface. For 10 points, name this 1931 painting by Salvador Dalí, prominently featuring melting clocks.

ANSWER: *The Persistence of Memory* [accept *La persistencia de la memoria*]

<EL>

2. **This comedian produced two satirical speeches using parts of real ones given by George W. Bush, named the *Bushwhacked* MP3s. This comedian described one of their works as "like the nightmares you have when you fall asleep listening to the World Service" - this work is the radio show *Blue Jam*. One of this comedian's characters abuses one played by (\*) Patrick Marber, describing him as "lying in a news grave" and later having "lost the news". A fictitious drug in one of this comedian's works is described as affecting Shatner's Bassoon, an area of the brain that deals with the perception of time, and is named "Cake".** For 10 points, identify this comedian, co-creator of *The Day Today* and *Brass Eye*, who played Denholm Reynholm in the first series of *The IT Crowd*.

ANSWER: Chris Morris

<RJ>

3. **One symphonic movement with this title opens with a fortissimo horn ascending an arpeggio which is answered by a muted horn playing a similar theme. A compositional style with this name was first expounded in, and takes its name from, the 4th piece from the piano collection *Out of Doors*. A guitar and mandolin feature in a symphony's *Andante amoroso* 4th movement that has this title - that symphony's 2nd movement also has this title and is (\*) Gustav Mahler's seventh.** This term describes a musical style characterised by haunting dissonances, eerie melodies and evocations of natural sounds in the slow music of Bela Bartok. These are the final two words in the title of a musical which features the song 'Send in the Clowns'. For 10 points, Sondheim and Mozart both wrote pieces titled "*A little*" of this term.

ANSWER: Night Music [or Nachtmusik]

<GC>

4. **One side in this conflict was said to have been aided by the rogue Witizan faction. One force in this conflict was divided between the baladiyyun and reinforcements led by Balj ibn Bishr. The most detailed information on this conflict is taken from the Mozarabic**

**Chronicle. A legendary story of this campaign suggests that the impregnation of Count Julian's daughter La Cava led him to betray Roderic in this conflict. The battle of (\*)**

Guadalete was a decisive victory in this conflict for forces led by Tariq ibn Ziyad. For 10 points, identify this military movement which took place from 711-788, which saw the destruction of the Visigoths and the establishment of the Emirate of Cordoba.

ANSWER: **Muslim conquest of Spain** (do not accept or prompt on reconquista; accept Iberia or Hispania in place of Spain)

<DJ>

**5. A cross-shaped birthmark and a mouth full of light are taken as signs that one of these people is the rightful heir to the throne by a fisherman who saves them from drowning in the Humber Estuary. In another poem, the much-discussed word "ofermode" describes the decision to allow a group of these people to cross a causeway and meet Godric in the title event. The poem *Widsith* tells that Alewih led these (\*) enemies of the Heathobards and takes information of their deeds from Saxo Grammaticus. In another poem, a leader of these people enlists the help of a Geatish warrior to end the sieges on Heorot by Grendel and his mother. For 10 points, name these people like Hrothgar in *Beowulf*, who came to Anglo-Saxon England from the Jutland peninsula.**

ANSWER: **Danes** [prompt on Vikings by saying "what did the Anglo-Saxons call them?" Prompt for the group if anyone says Havelok the Dane off the first clue]

<EW>

**6. Just before this scene, one man orders a portrait of his son as King of Rome to be wrapped up, so that it will be shielded from the events of this scene. A section interposed during this scene remarks that a central character's cold didn't matter because he "shot at no one and killed no one", although these philosophical remarks don't serve to dampen criticism of the actions of Kutuzov. Prince Andrei realises he can forgive (\*) Natasha and Anatole during this scene, where he is hit in the stomach by a grenade while Pierre rides around to gain a perspective before retreating to Moscow. For 10 points, what event in Book 3 accounts for the longest discussion of the first title concept in Leo Tolstoy's *War and Peace*?**

ANSWER: Battle of **Borodino** [prompt on anything about the battle in War and Peace]

<D>

**7. This musician was a vaudeville performer by the age of four, performing under the name "Baby Traps". This musician roomed with Frank Sinatra while both were part of Tommy Dorsey's orchestra; the two would fight, but Sinatra would later give a eulogy at this musician's funeral. Two 1990s tribute albums - both entitled (\*) *Burning for [this musician]* - were produced by Neil Peart [PEA-rt]. This musician won a battle against Animal on *The Muppet Show* in 1980, an homage to their 1952 battle against contemporary Gene Krupa. Referred to by name in the Beastie Boys' song 'Sabotage', for 10 points, identify this legendary jazz drummer.**

ANSWER: Bernard "Buddy" **Rich** [accept "**Baby Traps** the Drum Wonder" before it's said, if that's somehow possible to guess]

<RJ>

8. In 2019, showrunner Al Jean said he imagined Lisa Simpson as “possibly [engaging in this practice]” while President in the future. In 1998, April Divilbiss lost custody of her child after admitting to this practice on MTV. One symbol associated with this practice combines a heart and the infinity symbol, and another features blue, red, and black stripes, with a golden letter (\*)  $\pi$  ('pi') in the centre. One concept associated with this practice that is analogous to the Buddhist concept of *muditā* is known as ‘compersion’, a term created in the Kerista Commune to refer to the opposite of jealousy. For 10 points, name this practice, the maintenance of sexual or romantic relationships between more than two partners. ANSWER: **polyamory** [accept word forms or other forms of poly, such as **non-monogamy**, **polygamy**, or **polyandry**, accept descriptive answers about having multiple partners before “sexual”, do **not** accept ‘cheating’ or equivalents]

<EL>

9. In Caribbean folklore, the *soucouyant* (soo-kwee-ON) removes its skin to perform this action, whereas the Filipino *penanggalan* performs this action in the form of a disembodied head and entrails. In Albanian tradition, the *shtriga* turns into an insect to escape after performing this action on infants, and in modern Chinese folklore, Western influences have led to the (\*) *jiangshi* performing this action, rather than stealing its victim’s *qi*. Pope Benedict XIV was forced to officially state that the lack of decay of saints’ bodies did *not* mean that they performed this action, and in some parts of the Americas, this action is reputedly performed on goats by *chupacabras*. For 10 points, name this practice, typically performed by vampires.

ANSWER: **sucking blood** [accept clear equivalents, accept **fly**ing before ‘after’, prompt on anything about ‘being a vampire’]

<EL>

10. Bleeding of this organ can cause pseudohepatobilia, mimicking the symptoms of gastrointestinal bleeding. In Zollinger-Ellison syndrome, fatty stool and bloody vomit can be indicative of tumours of this organ’s gastrin-producing cells. Malformation of this organ can be diagnosed in babies by abdominal swelling and non-biliary vomit, as an ‘annular’ form of this organ can wrap around the (\*) duodenum. The non-metabolic symptoms of CFRD are caused by scarring to characteristic endocrine cells of this organ, in one of the principal non-pulmonary effects of cystic fibrosis. For 10 points, name this organ of the human body, damage to which causes type I diabetes as it can no longer produce sufficient insulin.

ANSWER: **pancreas** [accept **pancreatic duct** in the first sentence, antiprompt on ‘islets of Langerhans’]

<EL>

11. In 1962, this scientist founded the organisation now called the Council for a Livable World, dedicated to eliminating the American nuclear stockpile. Following World War 2, this scientist worked with Aaron Novick in researching biology, together inventing the chemostat. This scientist worked with Thomas Chalmers to identify (\*) an eponymous effect, by which nuclear reactions can break chemical bonds and so separate radioactive isotopes. This scientist wrote the letter later signed by Albert Einstein that resulted in the creation of the Manhattan Project. For 10 points, which Hungarian-born scientist was the first to

hypothesise the concept of a nuclear chain reaction, and worked with Enrico Fermi to create the first nuclear reactor, under the stands of the University of Chicago's Stagg Field?

ANSWER: Leo Szilard [SI-lahrd] (accept "Leo Spitz", his birth name)

<RJ>

12. A woman describes a speech by this character as delivered "Like a child on a record-a sound, but not in government." A poem voiced by this character describes how "Thinking of your blue-shadowed silk,/Is music. It is like the strain/Waked in the elders by Susanna" and begins "Just as my fingers on these keys/Make music". This character declares in a terrible prologue that "if we offend, it is with our goodwill", and directs (\*) Tom Snout to be a wall and Francis Flute not to say "Ninny's tomb". For 10 points, name this playwright of "The Most Lamentable Comedy and Most Cruel Death of Pyramus and Thisbe", a rude mechanical named for a carpenter's wedge who is described as "at the Clavier" in a Wallace Stevens poem.

ANSWER: Peter Quince

<DJ>

13. In a type of reaction named for these molecules and of use in the production of artemisinins, O-methyl oximes and carbonyls can be reacted to produce 1,2,4-trioxolanes. That reaction is named for Greenbaum. Dimethyl sulphide is used in the work-up of the product of a reaction named for these compounds. Nitric oxide concentration can be detected in a chemiluminescent reaction using this compound. Rudolf Criegee described (\*) a "one-three dipolar cycloaddition" between this compound and alkenes. IPPD is one of a number of compounds added to rubber to prevent the cracking caused by this substance cleaving double bonds. Measured in Dobson units, for 10 points, which triatomic form of oxygen forms a significantly damaged layer in the earth's atmosphere?

ANSWER: Ozone [accept O3 or ozonolysis]

<DJ>

14. Although this man's theories differ from modern interpretations by attributing it to decreasing quality rather than increasing level of inputs, his essay on the price of corn and profits describes the law of diminishing returns. A key idea associated with this man is the foundation for the modern Balassa index. Lasalle's "iron law" of wages was based on a concept proposed by this man relating to (\*) the price of land - that concept is the law of rent. Along with Adam Smith, this man supported the idea that two commodities whose production took the same length of time would trade for the same price, using the examples of trapping beavers and hunting deer in describing the labour theory of value. For 10 points, name this economist who compared the capabilities of Portugal and England to produce cloth and wine in his theory of comparative advantage.

ANSWER: David Ricardo

<RJ>

15. The "Wheat Wizard of Rosthern", Seager Wheeler, was based in this province. A city in this province lends its name to a socialist manifesto written by F.R. Scott and Frank Underhill. In 1994, this province elected the CCF to form North America's first Democratic-Socialist government; the CCF launched a universal healthcare system here

**under Woodrow Lloyd, which became a national model for Medicare through the advocacy of NDP leader (\*) Tommy Douglas.** Mounties fought workers who had been left in this province as leaders of the On-to-Ottawa trek went to meet the PM. Before becoming a province it saw the Siege of Batoche, the final defeat of Louis Riel's Red River Rebellion. For 10 points, name this Canadian prairie province, with its capital at Regina.

ANSWER: Saskatchewan

<DJ>

**16. In one song in this musical, the antagonist is insulted as “a dirty skunk and an ornery pig stealer”, leading him to lament his isolation in ‘Lonely Room’. Daniel Fish’s version of this musical has that antagonist be shot dead rather than fall on a knife at the end of act two; at the end of this musical’s first act, Ali Hakim’s “magic potion” causes a hallucinatory (\*) ‘dream ballet’ sequence.** In 2019, Ali Stroker became the first wheelchair user to win a Tony for her role in this musical as a girl who “just cain’t say no”, Will Parker’s lover Ado Annie. This musical opens with the song ‘Oh What a Beautiful Morning’, after which Curley McLain invites Laurey to a box social which descends into conflict between farmers and cowboys. For 10 points, name this Rodgers and Hammerstein musical set in the title Midwestern state.

ANSWER: Oklahoma!

<EW>

**17. Thomas Brady served as a commander in this army’s successful surprise victory in a battle which saw the death of Jean Lannes. This army lost one battle after Michael Malas handed control to Anton Zach, an Inhaber in this army. A unit mustered by Franz Trenck served in this army and were known as the Pandurs. Moritz de Lacy’s reforms provided this army with its first regiment. Karl Mack was appointed head of this force by the Aulic council ahead of the (\*) Ulm Campaign.** Charles, Duke of Teschen, reformed this fighting force, but still led it to a significant defeat at the Battle of Wagram. For 10 points, name this large national army which was defeated at the Napoleonic battle of Austerlitz.

ANSWER: Imperial-Royal Army [accept Austrian Army; all the clues are before Austria-Hungary existed so do not accept or prompt on Austro-Hungarian Army]

<DJ>

**18. One section of this work describes two kings repaying a monster’s kindness by drilling holes in it until it dies, and another sees this work’s author reacting to his wife’s death by drumming and singing. Martin Heidegger explained his philosophy by reading a section of Martin Buber’s translation of this work, quoting its ‘Debate on the Joy of Fish’. In this work’s chapter (\*) ‘On The Equality of Things’, its author uses the term “the Transformation of Things” to describe the problem of distinguishing between themselves and a specific animal.** For 10 points, name this religious and philosophical text by the third century BCE Taoist writer of the same name, containing a story in which the author dreamed he was a butterfly.

ANSWER: Zhuangzi [accept Chuang Tzu or Zhuang Zhou]

<EL>

**19. Some of these things on Madeira are called levadas, and some in central Asia are called aryks. The remains of one of these things are located near - and appear on the station**

symbol of - the Metro Sevilla station in Mexico City. One of these things in Spain was part of a system including El Caserón, and features on both the mint marks and the coat of arms of the city of (\*) Segovia. That thing is a Roman example of these things, other examples of which include one in Istanbul constructed by Valens, one in Kavala known as the Kamares, and one near Nîmes called the Pont du Gard. The longest of these in Great Britain spans the river Dee in the Vale of Llangollen and is called the Pontcysyllte [pont-cuh-SUH-hull-teh]. For 10 points, name these structures, often bridges, used to carry water from a source to a target. ANSWER: Aqueducts [Accept irrigation channels before Metro Sevilla is read. Prompt on canals or watercourses or bridges.]

<MB>

20. In one scene in this film, a man reluctantly practises lines like “buked and scorned” and “two eyes to make a pair - HUH!”; that man in this film is later asked if he is “circumstanced” while trying to avoid a polygraph test. In the opening scene of this film, scenes from *Gone with the Wind* fade into a speech from Dr Kennegrew Beauregard. The end of this film cuts from footage of the (\*) Charlottesville rally to an upside-down US flag, after Patrice and this film’s protagonist watch a cross burning on a hill in Colorado, following a final phone call to reveal the protagonist’s true identity to David Duke. Flip Zimmerman and Ron Stallworth go undercover in, for 10 points, which 2018 Spike Lee film about an African American detective who infiltrates the Klan?

ANSWER: BlacKkKlansman

<EW>

## Bonuses

1. Slovenia, predicting a counter-strike when it declared independence from Yugoslavia, moved that declaration a day earlier, to 25 June 1991. For 10 points each:

[10] Slovenia’s independence was precipitated by this President of Serbia’s consolidation of power in Belgrade, sidelining Croat and Slovene politicians.

ANSWER: Slobodan Milosevic

[10] Slovenia’s independence came following the Ten-Day War, but was paused for three months in the Brioni agreement, signed by this first president of Slovenia.

ANSWER: Milan Kucan [ku-tsan]

[10] The Brioni agreement was also signed with Croatia, then led by this leader of the Croatian Democratic Union, later implicated in a controversial plan to partition Bosnia with Milosevic.

ANSWER: Franjo Tuđman [tuzh-man]

<DJ>

2. This polity was founded in the 15th century by Lukeni lua Nemi, and his Kilukeni dynasty ruled this polity until 1567. For 10 points each:

[10] Name this West African kingdom, which covered modern-day Gabon and Angola, as well as the two countries with capitals at Kinshasa and Brazzaville that share a name with this kingdom.

ANSWER: Kingdom of Kongo [accept Kongo dya Ntotila, Wene wa Kongo or Reino do Congo]

[10] In 1506, the throne of Kongo was taken by this king, who extended the kingdom's diplomatic and economic ties with Portugal, as well as making syncretised Christianity the state religion.

ANSWER: **Afonso I** [prompt on 'Afonso', accept **Mvemba a Nzinga** or **Nzinga Mbemba**]

[10] Afonso's syncretic celebration of Pentecost provided the foundation for this African-American celebration, particularly popular in cities like Albany.

ANSWER: **Pinkster**

<EL>

3. This man became the first British judge to write about a case they had presided over when he published a book on the suspected serial killer John Bodkin Adams. For 10 points each:

[10] Name this High Court Judge who chaired a commission over Nyasaland in 1959 and argued against the Wolfenden Report on philosophical grounds, conflicting with H.L.A. Hart.

ANSWER: Patrick Arthur **Devlin**, Baron Devlin

[10] Devlin's objections to the Wolfenden Report were rooted in the idea of a "common" form of this concept, which he argued had "norms" that should be enforced by criminal law.

ANSWER: **morality** [or **morals**, prompt on **ethics**]

[10] H.L.A. Hart by contrast believed that laws were not inherently connected to morals - a view put forth in this 1961 work outlining a legal positivist framework for jurisprudence and criticising command theory.

ANSWER: ***The Concept of Law***

<EW>

4. At school, this artist learnt how to use a Kodak 3A camera and submitted their own work to society magazines - when they weren't getting bullied by Evelyn Waugh. For 10 points each:

[10] Name this "Bright Young Thing", a fashion photographer and costumier who won an Oscar for designing Audrey Hepburn's iconic black-and-white dress in *My Fair Lady*.

ANSWER: Sir Cecil Walter Hardy **Beaton**

[10] Beaton gained renown in British high society for his portrait photography of the Royal Family, with his favourite subject being this figure who died in 2002 aged 101.

ANSWER: The **Queen Mother**, Elizabeth Angela Marguerite Bowes-Lyon

[10] Beaton's skill in portraiture influenced many of his contemporaries, including this *Vogue* photographer who shot Alice Cooper wearing a snake and had a close relationship with Jean Shrimpton.

ANSWER: David **Bailey**

<EW>

5. Answer the following on the modern alt-right's misinterpretations of Classical antiquity, for 10 points each:

[10] The alt-right often portray Ancient Rome falsely as a completely white society. In 2017, this prominent Roman historian and broadcaster from Newnham College, Cambridge received Twitter abuse for pointing out that Rome was actually very diverse.

ANSWER: Mary **Beard**

[10] Misogynistic comments by this Roman politician have been reproduced on various websites. This person staunchly opposed Greek influences on Roman culture, and wrote *Maxims Addressed to his Son* and a treatise *On Agriculture*.

ANSWER: Marcus Porcius **Cato** the **Elder** [prompt on just **Cato**; accept **Cato** the **Censor**, **Cato** the **Wise**, **Cato** the **Ancient**, **Cato Censorius**, **Cato Sapiens** or **Cato Priscus**; do NOT accept or prompt on 'Cato the Younger' or 'Cato Uticensis']

[10] This author documented the misuse of Classics by hate groups in their book *Not All Dead White Men: Classics and Misogyny in the Digital Age*. This person is the founder and head editor of the prominent online Classics journal *Eidolon*.

ANSWER: Donna **Zuckerberg**

<AH>

6. *Super Smash Bros. Melee* has dozens of stages to choose from, but anyone serious enough to play in tournaments will tell you that only five matter. For 10 points each:

[10] As the name implies, this stage houses the last boss in Story Mode. It's the only stage that has no platforms or obstacles, and shares its name with a film series in which people are killed gruesomely by increasingly unlikely accidents.

ANSWER: **Final Destination** [prompt on **FD**]

[10] Another one of the five stages considered "neutral" in singles is this stage, that debuted in the first *Super Smash Bros.* game and takes its name from the first game to feature Kirby as the protagonist.

ANSWER: Past Stages: **Dream Land** [do not accept "Fountain of Dreams"]

[10] This stage is the only one to only be tournament-legal as a counterpick by a losing player, and is named for a 2000 game that featured such minigames as 'Sushi Go-Round' and 'Cleairy Says'.

ANSWER: **Pokemon Stadium**

<BB>

7. Different programming languages' systems for reasoning about these attributes of data may be "static" or "dynamic" depending on whether these attributes are assigned at compile time or run time. For 10 points each:

[10] Name these attributes of data, examples of which include integers, strings, or Booleans.

ANSWER: data **types**

[10] In statically typed languages such as Haskell, data types and function types may be thought of as the objects and morphisms, respectively, of one of these mathematical structures. Type constructors may be interpreted as endofunctors on these structures.

ANSWER: **categories** [or **category**]

[10] These category theoretic constructs are usually implemented as type constructors with polymorphic functions called "bind" and "return". They were first introduced as a way to handle computational effects such as potential failure, non-determinism, or input/output.

ANSWER: **monads** [or **triples**]

<JE>

8. *Kagura* performances have taken place annually at the Imperial Sanctuary, as well as major shrines such as Ise and Kamo, since about the year 1000. For 10 points each:

[10] *Kagura* is a sacred form of this kind of performance in Shinto tradition, often performed on religious festivals or as a form of ritual purification.

ANSWER: **Dance** [accept word forms; accept **odori** but call them a weeaboo]

[10] Kagura is typically performed by these shamans and priestesses at Shinto shrines, distinguished by their bright red trousers or skirt and white robe.

ANSWER: **Miko** [accept **shrine maidens**, **ichiko** or **reibai**]

[10] Kagura is traditionally held to originate in the wild dancing started by the rain kami Ame-no-Uzume to tempt this kami of the Sun out of her exile in a cave.

ANSWER: **Amaterasu**-ōmikami [accept **Ōhirume**-no-muchi-no-kami]

<EL>

9. This man was killed in single combat by Echemus while trying to invade the Peloponnese, a futile task that also claimed the lives of his son and grandson. For 10 points each:

[10] Name this king of the Dorians, who misinterpreted a Delphic prophecy to “wait for the third fruit” as meaning he could take the Peloponnese after three years, instead of three generations.

ANSWER: **Hyllus** [accept **Hyllas**]

[10] Hyllus was one-quarter divine, being descended from Zeus via this legendary hero, who gained fame by performing a series of twelve impossible labours.

ANSWER: **Heracles** [accept **Hercules**, **Alcaeus**, or **Alcides**]

[10] Hyllus was invading the Peloponnese in the first place to reclaim his father’s land from Atreus, the son of this king of Tiryns who set Heracles’ labours.

ANSWER: **Eurystheus**

<EL>

10. In this novel, a silent character is asked why they do not speak, and they respond by writing “because I do not want to” with a glowstick. For 10 points each:

[10] Name this novel about Pedro Muzquiz’s love for Tita de la Garza, who escapes Mama Elena by cooking dishes like quail in rose sauce using magic powers. Each chapter opens with a recipe.

ANSWER: ***Like Water for Chocolate*** [or ***Como Agua para Chocolate***]

[10] In Laura Esquivel’s *Like Water for Chocolate*, Tita tragically dies when she starts a fire in this unusual manner, after Pedro dies having sex with her in the store cupboard.

ANSWER: she **eats matches** [accept clear knowledge equivalents]

[10] Laura Esquivel is an author from this country. She wrote a book about La Malinche, whose sons were discussed in *The Labyrinth of Solitude* by Octavio Paz, who is also from this country.

ANSWER: **Mexico**

<EW>

11. Answer the following about your exciting life as a histopathologist! For 10 points each:

[10] You’ve received a tissue sample, and you want to have a better look at it down the microscope. You decide to stain the sections with these two common compounds which will stain nuclei blue and the cytoplasm pink.

ANSWER: **Haematoxylin** and **eosin** [or **H&E** stain]

[10] You’re having difficulty distinguishing between the smooth muscle and collagen on your preparation, so you decide to use one of these stains which employs two acid dyes and one polyacid. Examples include Masson’s, Mallory’s and Lillie’s.

ANSWER: **Trichrome**

[10] You kick back and wonder why you didn’t become a microbiologist, where 90% of the time you’d only have to use this stain, which distinguishes between different types of bacterial cell walls and is named for a Danish scientist.

ANSWER: **Gram** staining

<GC>

12. While living in exile near the end of his life, Dom Pedro II published translations of Hebrew poems into a Jewish language from this region, Shuadit. For 10 points each:

[10] Name this south-eastern French region where lavender abounds, troubadours wrote courtly romances in Occitan, and Alphonse Daudet set "Letters from My Windmill".

ANSWER: **Provence** [prompt on Occitania]

[10] Provence produced this "lion of Arles", who wrote epics like *Mirèio* and *Lou Pouèmo dóu Rose* and inspired the nom de plume of the Chilean poet of *Sonnets of Death*.

ANSWER: Frédéric **Mistral**

[10] Mistral and six friends set up this poetic brotherhood, which promoted the Provençal variant of Occitan and published a monumental "Tresor" dictionary.

ANSWER: **Félibrige**

<EW>

13. One of these places in Gangnam, Seoul called Starfield has captured attention on social media for the way it integrates the colossal Byeolmadang library. For 10 points each:

[10] Name these complexes which may house extra attractions like cinemas and aquariums. The largest one of these complexes in the world is located in Bloomington, Minnesota.

ANSWER: shopping **malls** [or **shopping centres**]

[10] One of the hippest places to shop in Seoul is the futuristic Dongdaemun Design Plaza, designed by this architect of Beijing's Galaxy SOHO and Baku's Heydar Aliyev Centre.

ANSWER: Zaha **Hadid**

[10] Another good shopping option in Seoul is department stores, with the largest chains being Shinsegae, Hyundai, and this brand whose "World" is the planet's largest indoor theme park.

ANSWER: **Lotte**

<EW>

14. These things partially name a Melbourne punk band whose first single was ad-libbed into a tape recorder. For 10 points each:

[10] These closed loops of current are created in a conductor by a changing magnetic field. They cause power loss in AC transformers.

ANSWER: **Eddy currents** [Prompt on partial. Accept **Foucault's currents**]

[10] This law can be used to show that eddy currents themselves create magnetic fields that oppose the change in the magnetic field that created them. This eponymous law states that the induced EMF and the rate of change of magnetic flux have opposite signs.

ANSWER: **Lenz's law** [prompt on Faraday's law of induction]

[10] Eddy currents produce this effect, which causes the current density in a conductor to be greatest near the surface and may be mitigated by using Litz wire.

ANSWER: **Skin** effect

<MB>

15. This author's seminars at Princeton have been attended by writers like David Remnick, Eric Schlosser, Peter Hessler and Timothy Ferriss. For 10 points each:

[10] Name this Pulitzer Prize winning author, known for creative non-fiction on topics such as the Highlands in *The Crofter and the Laird*, and Nevadan geology in *Basin and Range*.

ANSWER: John **McPhee**

[10] *Basin and Range* and four other geological works by McPhee were combined into this collection, which won him his Pulitzer. It includes *Crossing the Craton* and *In Suspect Terrain*.

ANSWER: **Annals of the Former World**

[10] McPhee also wrote a history of this citrus fruit, following it from its origins in southeast Asia onwards to Andalusia, Florida, and the juice glasses at our breakfast tables.

ANSWER: **orange** [accept **Oranges**]

<EW>

16. Wow, we're going to Ibiza! Wow, back to the island! Wow, we're going to have a party - or at least bring about the collapse of one. For 10 points each:

[10] The Vengaboys' club classic "We're Going to Ibiza" shot to number one in this European country in May, after far-right politicians Heinz-Christian Strache and Johann Gudenus were caught on camera bribing a Russian in a Balearic villa.

ANSWER: **Austria** [accept **Osterreich**]

[10] The secret video brought about the collapse of Austria's governing "turquoise-blue" coalition and led to a vote of no confidence in this chancellor, who has now left office.

ANSWER: Sebastian **Kurz**

[10] Since Strache and Gudenus were ousted, this politician has been leader of the Freedom Party. This politician stood as the Freedom Party candidate in the 2016 Austrian presidential election.

ANSWER: Norbert **Hofer**

<EW>

17. The only thing stopping this Canadian city from having a franchise in each of the Big Four North American sports is the NFL, damn their eyes. For 10 points each:

[10] After the St. Louis Blues won the 2018/2019 Stanley Cup, this city's NHL franchise now has the longest Cup drought, having last won in 1967.

ANSWER: **Toronto Maple Leafs** [accept either half or **Leafs**]

[10] The Toronto Raptors became NBA champions for the first time in 2019, with this player, having previously won it with the San Antonio Spurs, taking the Finals MVP award.

ANSWER: Kawhi (ka-WHY) **Leonard**

[10] Although still bereft of an American football team, between 2008 and 2013 Toronto's Rogers Centre hosted eight NFL games, with this team playing as the "home" team.

ANSWER: **Buffalo Bills** [accept either underlined part or **Bills Toronto Series**]

<RJ>

18. One fictional language is used in this series to quote a volley of insults from *Monty Python and the Holy Grail*. For 10 points each.

[10] Name this HBO fantasy series, which features fully-developed constructed languages such as several dialects of High Valyrian and Dothraki.

ANSWER: **Game of Thrones**

[10] The constructed creole Trigedasleng is used by the 'Grounders' on this series, which sees the eponymous group of space-born teenagers try to resettle the Earth following a nuclear apocalypse.

ANSWER: **The 100** ("The Hundred")

[10] Trigedasleng, Valyrian, and Dothraki are only some of the many film and TV languages created by this American linguist, conlanger, and founder of the Language Creation Society.

ANSWER: David J. **Peterson**

<EL>

19. Answer the following about Beethoven's late fugues. For 10 points each:

[10] The fourth movement of this piano sonata features a colossal triple voice fugue in its final fourth movement. It opens with a number of emphatic B-flat major chords.

ANSWER: **Piano Sonata No. 29** [or **Hammerklavier** Sonata]

[10] Perhaps the best known fugue in Beethoven's late works is the *Grosse Fuge*. That piece had originally been a single movement for the 13th of 16 pieces Beethoven wrote for this ensemble - other's include those commissioned by Count Rasumovsky.

ANSWER: **String Quartet** [prompt on partial]

[10] Along with the *Grosse Fuge* and Piano Sonatas No 29 & 30, this piece completes the quartet of Beethoven's late great fugues. This longest composition written by Beethoven features those fugues on the text "*In gloria Dei patris, amen*" and "*Et vitam venturi saeculi, Amen*"

ANSWER: **Missa Solemnis** [or **Solemn Mass**]

<GC>

20. The mass to charge ratio times the frequency equals the magnetic field in a form of mass spec which uses this technique. For 10 points each:

[10] Alan Marshall developed a form of spectroscopy using a Penning trap which turns free induction data into a mass spectrum using which mathematical technique?

ANSWER: **Fourier Transform** [prompt on partial]

[10] Alan Marshall, co-inventor of the FT-ICR, is resident at this US lab which is home to the world's most powerful magnet used in NMR Spectroscopy. This lab made the world's strongest superconducting magnet ever in June 2019.

ANSWER: **MagLab** (accept National High Magnetic Field Laboratory)

[10] The strength of MagLab's magnets is measured in this unit of magnetic flux density.

ANSWER: **Tesla**

<D]>

### Tiebreaker

**In the Philippines, people who do not undergo this practice are referred to as *supót*, or 'coward', and this practice is performed at a ritual known as *tuli*. In Islam, Abu Hurayra described this practice as one of five components of *fitra*, along with plucking armpit hair and cutting the nails, and this practice is referred to as (\*) *khitan*. In Galatians chapter 6, St. Paul accuses proponents of this practice of wanting to "boast about your flesh", although he himself earlier underwent this practice "on the eighth day". Stages in one form of this practice include *priah* and *metzitzah*, in which at least a drop of blood is drawn from the wound it**

creates. For 10 points, name this practice, performed at a *brit milah* ceremony on newborn children of observant Jews, the removal of the foreskin.

ANSWER: **Circumcision** [accept word forms, accept **tuli**, **khitan**, or **bris/brit** *milah* until said]

<EL>