

Tossups

1. **An M.U.D. game hosted by Skotos Tech uses the realm of Iridine as a stand in for this real historical city. In another video game named after the “Shadow of” this city, the player character can perform special kills known as Salvos to fill a “salvo meter.” In another game subtitled for a “son of” this city, King Oswald is killed by a villain hailing from this city, and his (*) daughter proceeds to attack this title city of that game. This city plays host to the majority of *Assassin’s Creed Brotherhood*, where Ezio Auditore retrieves the Apple of Eden from within a famous Basilica in this city. In a *Total War* game titled for this city, this city’s land is divided between its Senate and the families of the Scipii, Brutii, and Julii. For 10 points, name this city whose empire is led in Civilization V by Augustus Caesar.**

ANSWER: **Rome** (or **Roma**)

2. **This person declared that the film *Frozen* was “reprehensible propaganda” but that they quite liked *Moana* for its “archetypal balance.” Along with Michael Pihl, Daniel Higgins, and Michaela Schippers, this person launched a writing therapy program called the *Self Authoring Suite*. In 2017 this person launched the lecture series *The (*) Psychological Significance of Biblical Stories*, wherein they analyse archetypal narratives in Genesis. This author of *Maps of Meaning: The Architecture of Belief* and *12 Rules for Life: An Antidote to Chaos* declared their opposition to Bill C-16, 2016 due to its implementation of compelled speech. For 10 points, name this University of Toronto Psychology professor who became controversial for his refusal to use the preferred pronouns of students and faculty members.**

ANSWER: Jordan Bernt **Peterson**

3. **In 2008, two children belonging to this group drowned on a Neapolitan beach, while Italian beach-goers remained unperturbed. The murder of Angel Petrov resulted in widespread protests against this group in Bulgaria, in which the Bulgarian prime minister Boyko Borissov referred to this group as “Bad Human Material.” The Hădăreni riots of 1993 resulted in the lynchings of three members of this group, and were spurred after the murder of a (*) Romanian. Czechoslovakia carried out the forced sterilization of women belonging to this group starting in 1973, where they were labelled a “socially degraded stratum.” This group was the target of the Porajmos, where they were forced to wear the symbol of a brown triangle by the Nazis. For 10 points name this nomadic ethnic group prominent in Europe.**

ANSWER: **Romani** (or **Roma**, **Tzigane**, reluctantly accept **Gypsy**, prompt on “Traveller”)

4. **In one movie by this director, characters watch a video in which a man describes seeing a four-metre-tall child. In another movie by this director, a man dares a woman to walk up the trunk of a fallen birch tree because she says she is not afraid of anything. This director’s last feature film was *The Sacrifice*, released in 1986. A character in another movie by this director often tells stories about a man named (*) Porcupine, who came into a large sum of money and then hanged himself. That title character attempts to evade traps by throwing metal nuts with cloth tied to them ahead of his group, which also includes the Writer and the Professor. Those characters are attempting to explore the Zone. For ten points, name this Russian director of *Ivan’s Childhood*, *Stalker*, *Solaris*, and *Andrei Rublev*.**

Answer: Andrei **Tarkovsky**

5. **Refusal to perform a work in this key is what made Tchaikovsky break off their friendship with Iosif Kotek. This is the key of the Tchaikovsky symphony with five movements. The tonic chord of this key is the deceptive resolution in F-sharp minor. Sergei Prokofiev wrote a symphony in this key to imitate Haydn, which the latter used in their symphonies nicknamed (*) *Miracle*, *Clock*, and *London*. G-major is the subdominant chord of this key. This key was used for the violin concerti of Beethoven, Tchaikovsky, and**

Brahms. This major key, whose relative minor is B-minor, has a key signature of 2 sharps. For 10 points, Johann Pachelbel wrote a canon in what key?

ANSWER: D major

6. **One video produced by this company has groups of people eat cakes that are made to look like their own faces. A video series from this company includes a visit to Lizzie Borden's house to look for ghosts and an examination of the multiple murder at Hinterkaifeck farm. That series produced by this company is currently hosted by (*) Ryan Bergara and Shane Madej [MA-DAY], and its most watched video examines the death of Elisa Lam. In another series of videos from this company two examples of a product, with one that is very expensive and one that is cheap are sampled and compared. In another series from this company Zach, Ned, Keith, and Eugene try various experiences including Labour Pain Simulations. For 10 points name this company that produces a namesake "Unsolved" series, "Worth It?" and "The Try Guys," and are also known for their clickbait articles and quizzes.**

ANSWER: BuzzFeed Inc.

7. **The discriminant analysis named for this non-name word is sometimes also named for Fischer and can be considered as an unsupervised variant of PCA. A time-invariant filter described by this word can be uniquely described by its impulse response function. Karmarkar's algorithm and the simplex method can solve programming problems described by this word. (*) Counting sort and radix sort are considered sorting algorithms described by this word. This word describes a transformation that preserves addition and scalar multiplication. An algorithm with big O of n has a runtime described by this word. For 10 points, give this term that refers to an equation in form y equals m times x plus b .**

ANSWER: linear

8. **In their first three seasons, this quarterback's fourth-leading receiver was Az-Zahir Hakim. In January 2010, this quarterback's team won the highest-scoring playoff game in history 51-45 when Aaron Rodgers was strip-sacked in overtime. This quarterback spent the first half of the 2004 season as the Giants' starter before being replaced by Eli Manning, and they had earlier become the second player ever to throw 40 touchdown passes in one season while playing for offensive coordinator (*) Mike Martz. After swapping the starting job back and forth with Matt Leinart for two years, this quarterback grabbed it for good and led the Cardinals to Super Bowl XLIII ["Forty-three"]. For ten points, name this quarterback, who won Super Bowl XLIV ["Thirty-four"] over Tennessee with the "Greatest Show on Turf" St. Louis Rams.**

ANSWER: Kurt Warner

9. **One work in this form says that righteousness and peace have kissed each other and how the speakers' land will yield the increase of that which is good. One work in this form describes how the speakers hung their harps on willow trees and later declares "happy is he who seizes your infants and dashes them against the rocks" to the Daughter of (*) Babylon. That work in this form opens with the lines "By the rivers of Babylon we sat and wept when we remembered Zion." In one of the most popular works in this form, the speaker declares when the subject "anointest my head with oil" that "my cup runneth over" The speaker of that one of these works describes how though they walk through the valley of the shadow of death they shall fear no evil. For 10 points, name this religious poetic form, the 23rd of which begins "The Lord is my shepherd"**

ANSWER: Psalms or [Tehillim]

10. **In one song on this album, the singer incorrectly asserts that electrolytes smell like semen. In another song on this album, the singer requests "Give me a Leonard Cohen afterworld / So I can sigh eternally", before describing sitting and drinking that song's title beverage. A song on this album opens with the spoken words "moderate rock", and the rest of the lyrics are mostly unintelligible. That song is "Tourette's". On this album, the singer muses "I think I'm dumb / maybe just happy", in the song "Dumb". Perhaps the most famous song on this album opens with the lyrics "She eyes me like a Pisces when I am weak"**

and describes being locked inside that song's title object for weeks. For ten points, name this 1993 album that contains "Pennyroyal Tea", "All Apologies", and "Heart-Shaped Box", Nirvana's follow-up to *Nevermind*.

Answer: **In Utero**

11. A dynasty in this modern day nation that lasted from 1009 to 1225 ended with the abdication of an 8 year old empress. During that dynasty in 1070, the first university in this modern day nation was established, and was named the Temple of Literature. The concept of the "southern advance" in this modern day country started in the 11th century under the (*) Lý ("LEE") dynasty. The Trần ("TRUN") dynasty repelled three Mongol invasions in this modern day country. Ngô Quyền ("NOH GWIN") defeated the forces of the Southern Han at the Battle of Bạch Đằng ("BYTE DAHNG") River in this country. For 10 points, name this modern day country that played host to the kingdom of Đại Việt.

ANSWER: The Socialist Republic of **Vietnam**

12. Warning: Description acceptable.

During a water scarcity in *Midnight's Children*, Evelyn Lilith Burns helps the residents of Methwold's estate by causing these events. One work about this kind of event opens "Twas on a lofty vase's side / Where China's gayest art had dyed". This kind of event ends a novel featuring such characters as Avalon Coldmoon and Mrs. Nose. A poem written for Horace Walpole to commemorate this kind of event asks "what female heart can gold despise" and ends "Nor all that glisters gold". This kind of event ends a (*) Natsume Soseki novel whose narrator is Mr. Sneaze's pet. Selma, who drowned in a tub of goldfishes, is the subject of a Thomas Gray ode about this kind of event. For 10 points, what kind of event causes the animal Church to be buried in the title location of Stephen King's *Pet Sematary*?

ANSWER: **Death** of a **cat** (anything indicating a cat dying is fine, in particular "death of a favourite cat", "shooting a cat", "a cat drowning", and "a cat getting run over", prompt generously)

13. It's neither Prague nor Green Bay, but this city is often known as "The City of a Hundred Steeples," and contains St. Joseph's Oratory. This city contains the RESO, also known as the "Underground City" which connects this city's downtown buildings with subterranean passageways. This city's name derives from a three-headed (*) hill that features a 103 foot LED cross at the top and that was named after Francis I. A geodesic dome in this city located on Saint Helen's Island was converted into a Water Museum in 1995. This city is located on the largest island of the Hochelaga archipelago. Suburbs of this city include Beaconsfield, Sainte-Anne-de-Bellvue, and Laval. 10 points, name this second most populous city of Canada and most populous in Quebec.

ANSWER: **Montreal**

14. In one appearance, a girl asks this character why he never sends her flowers, and he bluntly replies "Because I don't like you." As the catcher on that baseball team, this character is not worried about having overly complicated signals, because the pitcher can only throw one pitch anyway. In a meta-joke in one appearance, this character says "Sometimes I think I should (*) put in for a transfer to a new comic strip!" This character often carries around signs announcing the number of days until Beethoven's birthday, and in one appearance, he receives a cupcake to celebrate it from a girl who is infatuated with him. In a Christmas special, Lucy repeatedly asks this character to play *Jingle Bells* on the piano and is only satisfied when he does so by plinking the keys one at a time. For ten points, name this object of Lucy van Pelt's affections, a piano-playing and Beethoven-loving character from *Peanuts*.

Answer: **Schroeder**

15. The Bainbridge reflex is a response in this organ when stretch receptors detect an increase in pressure on it. Along with the skeleton, troponin C, I, and T regulate muscular movement in this organ. During embryogenesis, this is the first organ that develops, beginning its function after just three. The QRS complex is a three-part measurement of the activity of this organ, and is caused by its depolarization and repolarization. A layer of cells in this organ's wall named for a (*) Czech scientist are specialized in

conducting electricity and regulate its rhythm. The leading cause of death in the world are diseases that affect this organ. For ten points, name this organ subject to myocardial infarction, its namesake “attack”.

ANSWER: the **heart**

16. **After the noise from a courtside camera upset their opponent, this player began hitting more lobs and rallied from two sets down to win a French Open final. Roger Federer passed this man for second all-time behind Jimmy Connors by winning their 95th career singles title in 2017. This player lost to John McEnroe in the final of the 1984 U.S. Open three months after ending McEnroe’s 42-match unbeaten streak in the French Open final. Pat Cash climbed into the stands after beating this player in the (*) 1987 Wimbledon final, and this player holds the record with 11 runner-up finishes in majors. Known for their defensive baseline style, this player lost both of their Wimbledon finals, making it the only major they never won. For ten points, name this 8-time major champion from Czechoslovakia.**

ANSWER: Ivan **Lendl**

17. **A sequel to this song was released on the Mark O’Connor album *Heroes* and features the voice of Johnny Cash. One lyric in that sequel to this song asks if one of the characters ever knew that time keeps marching on and that the coldest hour is the one comes just before the dawn. This song, which was released on the album “Million Mile Reflections,” contains references to (*) House of the Rising Sun and Fire on the Mountain. One character in this song tells the titular character that he’s told him once that he’s the best that’s ever been and calls him a “son of a bitch.” This song details a contest between the title character and a boy named Johnny in fiddle playing. For 10 points, name this song by the Charlie Daniels Band, where Johnny’s soul is on the line in a contest with Satan.**

ANSWER: **“The Devil Went Down to Georgia”**

18. **One character in this work is pressured into performing an abortion on his friend Sandra, who is the daughter of a millionaire. The main character of this novel begins working on art movies with a blacklisted alcoholic director named Peter John Friar, and hires an epileptic projectionist named (*) Virgil whom he later forges a cheque from. The title character of this work tries to engage with the “Boy Wonder” Jerry Dingleman but Dingleman just uses him to smuggle heroin across the U.S. Canada border. For 10 points, name this coming of age novel where the titular character works for his Uncle Benjy and is obsessed with his grandfather’s assertion that “a man without land is nothing,” a work of Mordecai Richler.**

ANSWER: *The Apprenticeship of* **Duddy Kravitz**

19. **This actor has a starring role as Jenny Taylor in the 2005 romcom *Love Wrecked*. This actor’s voice work includes Piper Pinwheeler in *Robots* and Nellie in *Charlotte’s Web 2*. Drake Bell and Josh Peck of *Drake & Josh* fame both had roles on a show named for this actor. This actor starred as the younger sister of the Jennie Garth-played Valerie Tyler on one show, and this actor also played a prissy Christian who disapproved of (*) Olive Penderghast’s promiscuity. This actor attempts to join their mother’s sorority in the 2007 film *Sydney White*. This actor appeared in *Easy A* and had a starring role on the WB show *What I Like About You* but may be best known for a sports comedy movie based on *Twelfth Night*. For 10 points, identify this actor who played Viola opposite Channing Tatum in the film *She’s The Man*.**

ANSWER: Amanda Laura **Bynes**

20. **Bobby Jindal declared in a 1994 essay that he enacted one of these on a friend named Susan during his time in College. Maricica Irina Cornici died during one of these performed by Daniel Corogeanu in Tanuca, Romania in 2005. After performing one of these, a pastor named Johann Blumhardt reported that his parish experienced growth and healing. A boy with the pseudonym (*) Robbie Mannheim was the subject of one of these in 1949 which was later adapted into a book by William Peter Blatty. A German woman named Anneliese Michel underwent 67 sessions in an attempted one of these that ended with her death in 1976. For 10 points, name these procedures, a famous fictional one of which happened to a character played by Linda Blair, where someone attempts to end a demonic possession.**

ANSWER: **Exorcism**

Bonuses

1. The period of Japanese history from 250 to 538 is named after these burial mounds. For 10 points each:
[10] Name these Burial mounds, which had a distinctive keyhole shape.

ANSWER: **Kofun**

[10] During the Kofun period Japan unified into a kingdom centralized around this province. This ancient province lended its name to the Flagship of the Japanese Imperial Fleet during World War Two.

ANSWER: **Yamato** Province (or **Yamato** no Kuni, or **Washu**)

[10] Accounts from this nation record a group of Japanese rulers known as the “Five Kings of Wa.” The five kings visited this nation to win the favour of its emperor.

ANSWER: **China** (or **Zhōnghuá**)

2. In this work, the main character’s father is detained for “establishing counterrevolutionary ties and listening to foreign radio.” For 10 points each:

[10] Name this memoir by Ji-Li Jiang, of the struggles of her family during the Cultural Revolution.

ANSWER: **Red Scarf Girl**

[10] Jiang’s family is criticized for her grandfather having this profession. Sir Walter Scott wrote 4 series of novels named for this profession, subsets of the Waverly novels.

ANSWER: A **Landlord** (Accept **Proprietor**, **Landholder**, and obvious equivalents)

[10] Jiang wrote about her family’s time in this nation. This nation’s Red Guards root through Jiang’s house.

ANSWER: People’s Republic of **China** (or **PRC**, or **Zhōnghuá** Rénmín Gònghéguó)

3. This team beat the Washington Nationals in the 2017 NLDS after Nationals catcher Matt Wieters committed a passed ball, a throwing error and a catcher’s interference, allowing the Cubs to pad a lead they would never lose. For 10 points each:

[10] Name this MLB team that in the season prior beat the Cleveland Indians to win their first World Series in 108 years.

ANSWER: Chicago **Cubs**

[10] This Cubs reliever gave up a game-tying two-run home run to Bruce Harper in game 2 that keyed the Nationals’ comeback. This cutter-throwing righty came back to strike Harper out in the Cubs’ game 3 win.

ANSWER: Carl **Edwards**, Jr.

[10] This flamethrowing Nats starter, who was chosen first overall by Washington in the 2009 Draft, was criticised for refusing to start game 4 due to illness with their team needing a win. However, this pitcher then changed their mind, started and threw 7 shutout innings to save the Nationals’ season.

ANSWER: Stephen **Strasburg**

4. Name some songs whose titles make use of nounverbing, for ten points each:

[10] The chorus of this iconic song by Chumbawumba notes that “I get knocked down, but I get up again” and asserts that “You’re never gonna keep me down”.

Answer: **Tubthumping**

[10] In the chorus of this song, Kate Bush notes that “I just know that something good is gonna happen”, and that “just saying it could even make it happen”.

Answer: **Cloudbusting**

[10] *Nightswimming* appears as the penultimate track on this 1992 R.E.M. album, which also includes the songs *Drive* and *Man on the Moon*.

Answer: **Automatic for the People**

5. This text opens with the Mul Mantar. For 10 points each:

[10] Identify this most sacred text in Sikhism, which is revered as the tenth and final of the gurus of Sikhism. It

is written in the Gurmukhi script.

ANSWER: **Adi Granth** (or “**Guru Granth Sahib**”)

[10] The first of the ten gurus of Sikhism was this founder of the religion. This person is said to have slept with their feet pointing at Mecca, and may have stated “There is no Hindu, there is no Muslim”.

ANSWER: Guru **Nanak**

[10] Although not a religious festival, many Sikhs celebrate Lodi, which marks the end of this season. This season is connected to the festival of Yule.

ANSWER: **Winter**

6. This author wrote under the pseudonym Richard Bachman. For 10 points each:

[10] Name this author, who allowed their book *Rage* to fall out of print, which this author described as “a good thing.”

ANSWER: Stephen Edwin **King**

[10] King allowed *Rage* to fall out of print for its depiction of one of these events. Charlie Decker takes a room full of hostages during this type of event in *Rage*.

ANSWER: A **School Shooting** (or obvious equivalents, prompt on “Shooting,” “Mass Shooting, etc.)

[10] *Rage*, like many of King’s works, takes place in this U.S. State. King created the fictional towns of Castle Rock and Derry in this state.

ANSWER: **Maine**

7. This state had a Special Senate election on December 12, 2017 to fill the seat vacated by Jeff Sessions, For 10 points each:

[10] Name this state, a Republican stronghold whose governorship was once held by George Wallace.

ANSWER: **Alabama**

[10] Noted pedophile and all-around terrible person Roy Moore was defeated by this Democrat. This democrat prosecuted the Klansmen who bombed the 16th street Baptist Church.

ANSWER: Gordon Douglas “Doug” **Jones**

[10] This Republican Senator endorsed Doug Jones. This senator sent a cheque to the Jones campaign for 100 dollars in a tweet with the caption “Country over Party.”

ANSWER: Jeffrey Lane “Jeff” **Flake**

8. In one film by this director, a teacher accidentally implies something despicable when explaining how much he has learned by the students of a private school while impersonating Ned Schneebly. FTPE:

[10] This director of *School of Rock* also made two rotoscoped films, *A Scanner Darkly* and *Waking Life*, where animators trace over the performance of actors.

ANSWER: Richard **Linklater**

[10] In *School of Rock*, this actor plays Dewey, who gets his students to form a band to compete in a Battle of the Bands to win money. This actor and member of Tenacious D also voices Po in the *Kung Fu Panda* series.

ANSWER: Jack **Black**

[10] The last film in Linklater’s *Before* trilogy, which stars frequent collaborator Ethan Hawke and Julie Delpy, is set in this country. A director from this country has made *The Lobster* and *The Killing of a Sacred Deer* with Colin Farrell.

ANSWER: **Greece**

9. This effect is the distortion of the cosmic microwave background radiation due to inverse Compton scattering. For 10 points each:

[10] Name this effect which also names a set of telescopes, part of the Combined Array for Research in Millimeter-wave Astronomy, which detect anisotropies in the CMBR.

ANSWER: **Sunyaev–Zel’dovich** effect

[10] The Sunyaev-Zel’dovich effect is seen in these astronomical objects. One named “bullet” is actually two colliding ones, while Andromeda and Triangulum are also found in the one you are currently in.

ANSWER: **galaxy cluster**

[10] Observing lensing by the Bullet Cluster is an effective way to study this substance, which makes up about a quarter to a third of all the mass in the universe, similar to an unobservable “energy” that is tearing the universe apart.

ANSWER: **dark matter**

10. Identify some of the shows identified in The Vulture’s article “13 Signs You’re Watching Prestige TV”, for 10 points each:

[10] This series, which Wired called a “parody of prestige TV”, is the best example of Winking Self-Awareness with scenes built around Cherry Coke Zero. In this show, Jude Law plays a religious official who climbs out of a pyramid of babies in his very first scene.

ANSWER: **The Young Pope**

[10] A show that meets sign 6, darkness, is this show starring Rami Malek as a hacker set out to overthrow the current world system or something like that.

ANSWER: **Mr. Robot**

[10] Another prestige TV show shot with incredibly dark lighting is this drama that follows the advent of the personal computer. The series moves from Texas to the San Francisco Bay Area as it becomes Silicon Valley, and its title refers to a code instruction that causes a computer to stop functioning.

ANSWER: **Halt and Catch Fire**

11. This play ends with the people remaining silent as Mosalsky tells them to cry long live the Tsar. For 10 points each:

[10] Name this play where False Dimitri succeeds Feodor, the son of the titular character, as Tsar.

ANSWER: **Boris Godunov**

[10] This Russian Romantic author wrote *Boris Godunov*. This man was also the author of the novel in verse *Eugene Onegin*.

ANSWER: Alexander Sergeyevich **Pushkin**

[10] In the play, this is the real name of the monk claims that he is the youngest son of Ivan the Terrible. He accedes to the position of Tsar at the end of the play as Dimitri I.

ANSWER: **Gregory Otrepiev** (accept either)

12. Answer some questions about common video game urban legends. For 10 points each:

[10] The existence of this arcade game was never proven, but it was rumoured to be part of a government psychology experiment. This fake game was allegedly created by a company called *Sinneslöschen*.

ANSWER: **Polybius**

[10] Herobrine is a fake character from this construction-based game created by Mojang Studios. Herobrine is mentioned in various patch notes in this video game.

ANSWER: **Minecraft**

[10] Three ghostly figures appear in the background of a level partially titled “Shiverburn” in this game. Those figures are located in a file in this game’s textures called “HellValleySkyTree.”

ANSWER: **Super Mario Galaxy 2**

13. This “First Lady of Song” released albums such as *Fine and Mellow* and *Get Happy!* For 10 points each:

[10] Name this woman known as the “Queen of Jazz.”

ANSWER: Ella Jane **Fitzgerald**

[10] Fitzgerald often collaborated with this trumpet player. This man released the songs “A Kiss to Build a Dream On” and “What a Wonderful World.”

ANSWER: Louis Daniel **Armstrong** (or **Satchmo**)

[10] Fitzgerald’s first album was a recording of her singing the songs of this composer. This composer composed songs such as “I’ve got a Crush on You” and “Looking for a Boy.”

ANSWER: George Jacob **Gershwin** (or Ira **Gershwin**)

14. In a work titled “Conjectures and Refutations” one thinker tried to provide a criterion for distinguishing between theories like general relativity and theories like Freudian psycho-analysis. For ten points each, answer some questions about that thinker’s solution to the demarcation problem.

[10] That thinker used falsifiability to distinguish between this field of study and its “pseudo” variant. This broad field of study is often characterized by its use of empirical observation.

ANSWER: **Science** (anti-prompt on any specific fields of science)

[10] This thinker proposed falsifiability as a criterion to distinguish between science and pseudo-science. Works by this philosopher include “The Logic of Scientific Discovery” and “The Open Society and its Enemies”.

ANSWER: Karl **Popper**

[10] Popper thought falsifiability could also solve this problem typically attributed to Hume. This problem in the philosophy of science undermines our ability to extend empirical evidence to make predictions.

ANSWER: The problem of **Induction** (accept wordforms like “inducting”) <AF>

15. A protest movement of these people developed over the 20th century pushing for greater recognition of the treaty of Waitangi. For 10 points each:

[10] Name these people, who divide themselves into tribes called Iwi.

ANSWER: **Māori**

[10] This nation set up the Waitangi Tribunal to investigate breaches of the treaty. Tariana Turia founded this nation’s Maori Party.

ANSWER: **New Zealand** (or **Aotearoa**)

[10] This is the Maori term for New Zealanders of European descent. New Zealand historian Michael King defended this term in 1985, saying that it does not diminish something’s “New-Zealandness.”

ANSWER: **Pākehā**

16. Answer some questions about movies set in Toronto, for 10 points each:

[10] This director set their 1983 horror film *Videodrome* in Toronto. The city is also the setting of their hyperviolent 1996 film *Crash*.

ANSWER: David Paul **Cronenberg**

[10] Although 2013’s *The F Word* was set in Toronto, the cast was 99% white and included an offensive cutesy field trip to the Spadina Chinatown. The film starred Zoe Kazan and this actor, best known for playing the boy-wizard Harry Potter.

ANSWER: Daniel Jacob **Radcliffe**

[10] *Chloe*, a movie about a rich Torontonion couple’s lives being sabotaged by Amanda Seyfried, is by this Toronto-based director. It is the highest grossing of all their films.

ANSWER: Atom **Egoyan** (or “Atom **Yeghoyan**”)

17. In one of this director’s films Queen Elizabeth I is transported forward in time by John Dee to 1970s Great Britain. For 10 points each:

[10] Name this director of the 1978 film *Jubilee*.

ANSWER: Michael Derek Elworthy **Jarman** (or **Derek Jarman**)

[10] *Jubilee* was a film associated with this artistic movement. This movement, better known for the music it produced, was associated with acts such as the Sex Pistols.

ANSWER: **Punk** subculture (or **Punk** art, **Punk** rock, etc.)

[10] Jarman released a film that consisted entirely of a shot of this colour. An Andy Warhol movie titled “[This-colour] movie,” which was alternatively known as *Fuck* was the first explicit erotic film to receive a wide American theatrical release.

ANSWER: **Blue**

18. The Autler–Townes effect is the alternating current analogue to this effect, while the quantum-confined version of this effect deals with the effect of electric fields on the spectra of quantum wells. For 10 points each:

[10] Name this effect that shifts and splits spectral lines when particles are subjected to an external electric field.

ANSWER: **Stark** effect

[10] The Zeeman Effect is analogous to the Stark effect with particles are subject to one of these fields. Moving charges produce these fields, symbolized B.

ANSWER: **magnetic** field

[10] The Zeeman effect can be used to explain electronic transitions of this quantum mechanical system. This system has an exact solution to the Schrodinger equation.

ANSWER: **hydrogen** [or **H**]

19. A coach of this club developed the position of sweeper for their tactical system, known as the door-bolt. For ten points each:

[10] Name this team, which which was managed by Helenio Herrera from 1960 to 1968. Under Herrera, this team won three league titles and back-to-back European Cups in 1964 and '65.

ANSWER: **Inter** Milan [or **Internazionale** Milan, do not accept or prompt on "Milan" or "Milano" because in common practice just "Milan" refers to A.C Milan]

[10] Inter Milan is the only team never to have been relegated from this league, the highest league in the Italian professional soccer system, in which Inter has played since the league's founding.

ANSWER: **Serie A**

[10] The "Grande Inter" teams of the 1960s were led by this inside-right, who played all 17 of their seasons for the team. This forward's father Valentino was killed in the 1949 Superga Air Disaster.

ANSWER: Sandro **Mazzola** [Also accept "Alessandro **Mazzola**"]

20. Answer some questions about sightings of UFOs in ancient times. For 10 points each:

[10] One account states that the ships of the Greek General Timoleon were guided to this island by a "Torch in the Sky." Athenian forces decided to wait on this island for 27 days after a lunar eclipse, which led to the destruction of their fleet.

ANSWER: **Sicily** (or **Sicilia**, **Sikelia**)

[10] According to the disputed Tulli Papyrus, the scribes of this pharaoh reported "Fiery Disks" were seen floating in the sky. This pharaoh co-reigned with Hatshepsut until her death.

ANSWER: **Thutmose III**

[10] Eusebius provided an account of this Roman Emperor seeing a Chi Rho in the sky and having his soldiers mark the symbol on their shields. This first Christian emperor then succeeded in defeating Maxentius at the battle of Milvian Bridge.

ANSWER: **Constantine I** (or "**Constantine the Great**," "**Saint Constantine**," Flavius **Valerius Aurelius Constantinus** Augustus, prompt on "Constantine")