

Tossups

1. **A passage in this work starts with a F to B-flat jump, then a F to C jump, and then a F to D jump followed by a scale up to high F and then down to low F. Using scale degrees to notate, a repeated pattern in this work begins with a long 5 and short 1 1 4 4 4 4 3. A rhythmic motif from a movement of this work consists of a dotted eighth note followed by three eighth notes that goes D, A, B A. This work begins with an E-minor French Overture named (\*) *Sinfony* and includes a pastoral interlude called the *Pifa*. This work ends an Amen fugue in the movement “Worthy is the Lamb that was slain” and also includes movements titled “I know that my redeemer liveth” and “For unto us a child is born”. For 10 points, name this oratorio by Handel that includes the *Hallelujah* chorus.**

ANSWER: Messiah

2. **This singer’s debut solo album contained a song called “Keep an Eye” that was previously recorded by their former group. All songs on that debut solo album except for a cover of “These Things Will Keep Me Loving You” were written and produced by the husband-wife team of Nickolas Ashford and Valerie Simpson. That debut solo album from this artist featured the single “Reach out and Touch (Somebody’s Hand),” as well as covers of two songs by (\*) Marvin Gaye and Tammi Terrell: “You’re All I Need to Get By,” and “Ain’t No Mountain High Enough.” For 10 points, name this Motown singer who collaborated with Lionel Richie on “Endless Love,” released the singles “Upside Down” and “I’m Coming Out,” and released songs such as “Stop! In the Name of Love” with the Supremes.**

ANSWER: Diana Ernestine Earle Ross

3. **A secret track on the Broadway cast recording of this musical is a mock-PSA about drunk driving entitled “Blood on the Pavement.” It’s not *Chicago*, but a song only in the stage version of this musical sung by the villain is titled “Velma’s Revenge,” and serves as a reprise of a song in which the villain of this musical declares that a girl won’t get a date until “daddy buys her a new nose.” One song in the movie version of this musical that wasn’t used in the Broadway version is initially sung by Tammy, Shelley, and (\*) Amber von Tussle before they’re replaced by an All-Black singing group known as the Dynamites and is titled “The New Girl in Town.” “The Legend of Miss Baltimore Crabs,” “The Nicest Kids in Town,” and “You Can’t Stop the Beat” are all songs from, for 10 points, this musical about integration in 1960s Baltimore.**

ANSWER: Hairspray

4. **In this organelle, CIC7 interacts with OSTM1, and a mutation in either protein can lead to early-onset osteoporosis. In 2017, Brian Madeux was treated with gene therapy to treat a disease that affected this organelle. A buildup of sphingomyelin in this organelle causes diseases in the Niemann-Pick family. Mutations in the protein glucocerebrosidase, which is found in this organelle, can cause Gaucher’s disease. Diseases of this organelle’s (\*) “storage” include Tay-Sachs disease. If it doesn’t become integrated with the Golgi apparatus, late endosomes mature into these organelles. Proteins that are to be transported to this organelle are tagged with mannose 6-phosphate. For 10 points, name this organelle with pH of around 5 that breaks down cellular waste.**

ANSWER: lysosome

5. **Jonathan Barnes claims that this thinker committed the “polyphemus fallacy” when they said that “thing is no more than not-thing”. This thinker listed sight, taste, and touch among their “bastard” types of cognition and argued that “man must know he is cut off from reality” because colour, tastes, and temperature are (\*) “conventions”. Like their teacher, this philosopher thought that the fundamental parts of matter differed only in “contour, rotation, contact” and that these differences explained the differences in**

compound things. This philosopher responded to Melissus by positing the void, and responded to Zeno by positing indivisible pieces of matter. For ten points, name this student of Leucippus, an early Greek atomist.  
ANSWER: Democritus <AF>

6. A 2018 reboot of this show is subtitled “Family Vacation” and includes the statement “As we age, we get more delinquency”. Gaz Beadle and Charlotte Crosby had an on-again/off-again relationship on a British version of this show set in Newcastle upon Tyne. A trio on this show were known as “MVP” for their initials. The opening theme to this show is LMFAO’s “Get Crazy”. Abercrombie & Fitch offered money to the cast members (\*) of this show if they promised to *not* wear their clothing. The English version of this show is about “geordies” in contrast to the “guidos” prominently featured on this show. This show popularised the phrase “GTL” for “Gym, Tan, Laundry”, and it featured the cast members Vinny, Angelina, JWoww and Mike “The Situation” Sorrentino. For 10 points, identify this MTV show about Italian-Americans whose breakout star was Snooki.

ANSWER: Jersey Shore

7. A ship named the Kuttabul was sunk in this city’s harbour during a series of attacks led by Hankyu Sasaki between May and June of 1942. Francis De Groot, a member of a right-wing paramilitary group called the New Guard, illegally cut a ribbon in this city instead of Jack Lang. Tilly Devine and Kate Leigh were two major underworld figures in this city during the first half of the twentieth century. This city’s Martin place is the site of a cenotaph for the dead of (\*) World War One from this city’s nation. This city played host to both the 1938 British Empire Games and the 2000 Summer Olympic Games. For 10 points, name this city home to a namesake cenotaph that people gather at for ANZAC day, and to Jørn Utzorn’s Opera House.

ANSWER: Sydney

8. An athlete from this country holds the short-course record for the 50 metre freestyle for women and won gold in the 50 and 100 metre freestyle races at the 2012 Summer Olympics. An athlete from this country won the open water swimming competition at the 2008 Summer Olympics after recovering from leukemia. This country’s women’s field hockey team have medalled six straight Olympic Games. An athlete from this country is the two time defending World Champion in the women’s (\*) 200 metres. This country achieved four podium sweeps at the 2014 Winter Olympics, all in the same sport. For 10 points, name this country, runner up to the 2010 FIFA World Cup whose soccer players include Arjen Robben and Robin van Persie and are incredibly dominant in speed skating.

ANSWER: The Netherlands

9. In one film, this actor plays a German doctor who gains enormous influence over a mentally ill king while having an affair with his English-born queen. In another film, a character played by this actor is suspected of a crime after a dumb kid shows his sister pornography on an iPad and she struggles to comprehend it. In that film, *The Hunt*, this actor’s character is a teacher who loses his job over concerns he molested children. In a Marvel movie, this actor played a (\*) villainous sorcerer who steals pages from the library of Kamar-Taj. In another role, this actor played a scientist forced to work for the Empire after they kill his wife, but hides a key design flaw in a massive superweapon. For ten points, identify this Danish actor who played the villain in *Doctor Strange* and Galen Erso in *Rogue One: A Star Wars Story*.

ANSWER: Mads Mikkelsen

10. This actor has a bit role as a police officer in the film *Kate & Leopold*. One character played by this actor claims that they planted a seed in their husband that they watched and prayed over, even though they knew that the soil was hard and rocky. In the role of the mother of a gay boy abused by their father, this actor states “I’ll be standing with my son and those that are good to my son”. In February, this actor pointed out that they weren’t paid their worth, and weren’t given complex roles, despite being frequently called the “black Meryl Streep”. Comparisons to Streep intensified after this actor won an Oscar for playing

Rose Maxson opposite Denzel Washington's Troy. For 10 points, identify this actor who was nominated for Oscars for the films *Doubt* and *The Help*, and who won for 2016's *Fences*.

ANSWER: Viola Davis

11. In one work by this author, Fred Hale goes by the alias "Kolley Kibber", spelled with 'K's. In one novel by this author, the protagonist, Maurice Castle is married to a black African with whom they fell in love in apartheid South Africa. The communist Dr. Czinner is pursued by the lesbian journalist Mabel Warren in one work by this author. This author wrote about Ida Arnold tracking down the gang member Pinkie Brown in one work. This author of *The Human Factor* and (\*) *Stamboul Train* wrote a novel in which Major Henry Scobie helps Yusef smuggle diamonds. This author's Catholicism influenced many works, including one in which Sarah Miles breaks up with Maurice Bendrix. For 10 points, identify this author of *The Heart of the Matter* and *The End of the Affair* who also wrote about Coral Fellows helping "The Whiskey Priest" in *The Power and the Glory*.

ANSWER: Henry Graham Greene

12. One single off of this album began as an improvisation called "Sick Puppy," and the struggle to morph it into a workable song led to an argument between the main singer and producer of this album. During the production of this album, the Bassist held out their instrument to the main singer and said "You tell me what to play and I'll play it. You want to play it yourself? Go ahead." The opening song on this album was inspired by a story about the bombing of the Berlin (\*) Zoo, and the atmosphere of a subway station. A song off of this album was released as a benefit single and contains the lines "Have you come here for forgiveness?/Have you come to raise the dead?" For 10 points, name this U2 Album released in 1991, which contains the songs "Mysterious Ways" and "One."

ANSWER: Achtung Baby

13. In the first game of this series, defeated opponents would declare "What strength! But don't forget there are many guys like you all over the world" in a garbled voice. In that game in this series the first enemy fought by the main character is a banished monk named Retsu. The final boss of the first game in this series later appears as one of the four major members of (\*) Shadaloo in the second game of this series. The other three major members of Shadaloo from this series had their names switched with each other in the English release, so different characters bear the names Balrog, Vega, and M. Bison in this series depending on the language. For 10 points name this Capcom series of fighting games whose two main characters are named Ryu and Ken.

ANSWER: Street Fighter (Or Street Fighter 1, Street Fighter 2, or Fighting Street)

14. Monsieur Sinfray commanded the French Artillery at this battle. While the victor of this battle was resting in a hunting lodge, Major Kirkpatrick took two companies of the 39th to attack St. Frais' position. Major Eyre Coote argued for a strong attack at this battle, after which they pursued the French forces. After assuming British Artillery would be ineffective after heavy rainfall, (\*) Mir Madan was killed by grapeshot during this battle. Mir Jafar defected to the winning side during this battle, after which they became Nawab of Bengal. Siraj ud-Daulah lost this battle to Colonel Robert Clive after the Black Hole of Calcutta. For 10 points, name this victory for the British during the Third Carnatic War which gave the British Empire control over Bengal.

ANSWER: The Battle of Plassey (or The Battle of Palashi)

15. This player was taken out of their final Stanley Cup Finals appearance after a hit by Darren McCarty. This player was traded to Carolina for Nelson Emerson after having played only 10 games for Chicago. During the 1984 Canada Cup, this player held off a Soviet 2 on 1 breakaway before getting the primary assist on Mike Bossy's overtime game winning goal. This player was traded to Pittsburgh in 1987 after a contract dispute with the (\*) Oilers. During the 1985 playoffs, this player broke the playoff scoring records for

goals, assists, and points by a defenseman. For 10 points, name this player, second only to Ray Bourque in career points by a defenseman.

ANSWER: Paul Coffey

16. **Sade (pronounced Shah-day) recorded the track “Flower of the Universe” for this film. This film is the first live-action film with a budget of over 100 million dollars to be directed by a woman of colour. Deric McCabe played the protagonist's brother in this film, while Chris Pine played their father. This film stars Storm Reid, and was directed by Ava Duvernay. Levi Miller played Calvin O’Keefe in this movie, whose protagonists employ the ability to (\*) tesseract to search for their missing father. This film’s characters of Mrs. Who, Mrs. Whatsit, and Mrs. Which are played by Mindy Kaling, Reese Witherspoon, and Oprah Winfrey respectively. The protagonist of this film is Meg Murray. For 10 points, identify this just-released 2018 film, a science-fiction film based on a novel by Madeleine L’Engle.**

ANSWER: *A Wrinkle in Time*

17. **This person suggested a “Restoration of Sovereignty Day” that was first celebrated on April 28, 2013. This person’s refusal to visit a shrine during their first term in their highest position prompted a nationalist to cut off their own pinkie finger and send it to this person’s party. This person resigned from their highest position on September 12, 2007 for health reasons, but staged a political comeback to regain that position in 2012. This person’s namesake (\*) economic policies were structured around the three arrows of Monetary Policy, Fiscal Policy, and Growth Strategy and Structural Reform. Before winning a 2012 landslide general election, this person defeated Shigeru Ishiba to become leader of the Liberal Democratic Party. For 10 points name this current prime minister of Japan.**

ANSWER: Shinzō Abe (or Abe Shinzō)

18. **This author’s debut novel features John Wesley Rattner and their son, Kenneth, and is set in Red Branch. This author wrote a work in which Gene Harrogate has sex with watermelons, as well as a novel focussing on Lester Ballard. Religious themes dominate this author’s works including *The Orchard Keeper* and *Child of God*. One character created by this author has romantic interests in Magdalena and (\*) Alejandra. Billy Parham buries a pregnant wolf and makes the title journey thrice in this author’s work *The Crossing*. This author created the recurring character of John Grady Cole in their *Border Trilogy*, and wrote about Judge Holden in *Blood Meridian*. They also wrote a novel about an unnamed father and son evading cannibals in a post-apocalyptic world. For 10 points, identify this author of *The Road* and *No Country for Old Men*.**

ANSWER: Cormac McCarthy (or “Charles McCarthy”)

19. **John Grisham’s *The Firm* opens with a character reading one of these documents. One character insists on including a reference to the DJ “Dr. X” on one of these documents. A poem that claims “Acids stain you, and drugs cause cramp” is titled for this kind of document, and is a satirical anti-suicide poem by Dorothy Parker. On *The Simpsons*, Lisa adds references to Muddy Waters, the Carter administration, and Swahili to one of these documents. On *F.R.I.E.N.D.S.*, Rachel misspells (\*) the word computer on one of these documents. On *How I Met Your Mother*, Barney creates a video-based document of this type for Robin that includes the word “Possimpible”. That video-based document lands Robin a job at Channel 12. For 10 points, identify these documents on which one lists one’s skills and work experience.**

ANSWER: resumes (or “C.V.s” and other synonyms)

20. **NASA’s proposed AREE rover would be to study this object, while its proposed HAVOC would be a human habitat on this planet. A Japanese spacecraft that attempted to orbit this object in 2010 missed but was reprogrammed to ultimately rendezvous in December 2015. That craft, Atsuki, found a 10 thousand kilometre long bow shaped object near an equatorial highland region. This objects polar highland regions include the Lada and (\*) Ishtar Terras, while its highest volcano is Maat Mons. This planet has the slowest**

rotation period with a day lasting longer than a year, and has an atmosphere with a runaway greenhouse effect. For 10 points, name this second planet from the sun.

ANSWER: **Venus**

Bonuses

1. Yorishiro are objects that attract and house these beings. For 10 points each:

[10] Identify these beings exemplified by Inari, who is attended to by white foxes.

ANSWER: **Kami**

[10] Kami are worshipped in this religion, which is sometimes called kami-no-michi. This polytheistic Japanese religion has holy shrines with gates called torii.

ANSWER: **Shintoism**

[10] The Yata no Kagami is a sacred one of these objects in Shintoism. It may be housed in the Ise Grand Shrine which is destroyed and rebuilt every 20 years.

ANSWER: **mirror**

2. Answer some questions about Lady GaGa's acting career, for 10 points each:

[10] GaGa will appear in the 2018 film *A Star is Born*, a remake of the Barbra Streisand movie. In that film, they star opposite this actor, who also directed the movie.

ANSWER: Bradley Charles **Cooper**

[10] GaGa won a Golden Globe for their role as "The Countess" in "Hotel", the fifth season of this FX horror anthology series created by Ryan Murphy. Other seasons of this show have been subtitled "Asylum" and "Coven".

ANSWER: **American Horror Story**

[10] GaGa was directed in their feature film debut, *Machete Kills*, by this person, who co-directed the *Sin City* movies with Frank Miller. They also wrote and directed all 4 films in the *Spy Kids* franchise.

ANSWER: Robert Anthony **Rodriguez**

3. These people were killed during the Anfal genocide. For 10 points each:

[10] Name this ethnic group that were killed in poison gas attacks on cities like Halabja.

ANSWER: The **Kurdish** People (or **Kurds**)

[10] This nation conducted the Anfal genocide under the rule of the Ba'ath Party. This nation was at war with Iran when the genocide was conducted in 1988.

ANSWER: The **Iraqi** Republic (or **Iraq**, or al-Jumhūrīyah al-'**Irāqīyah**)

[10] This Dutch businessman was convicted of selling chemical weapons to Iraq in 2005. The materials sold to Ba'athist Iraq by this businessman's company FCA Contractor were used in the Anfal Genocide.

ANSWER: Frans Cornelis Adrianus **van Anraat**

4. The Bonnet–Myers theorem sets an upper bound for the diameter when the lower bound of this quantity is known for a Riemannian manifold. For 10 points each:

[10] Name this quantity, which measures how much a wedge of a sphere on a Riemannian manifold differs from that of a corresponding Euclidian one. This quantity's trace provides a similar measure.

ANSWER: **Ricci curvature** [or **Ricci tensor**]

[10] The Ricci curvature of spacetime appears in this scientist's field equations that put forth a theory of gravity. This scientist won the Physics Nobel in 1905 as part of their *Annus Mirabilis*.

ANSWER: Albert **Einstein**

[10] The Einstein Field Equations has a term where the metric tensor is multiplied by half the Ricci scalar minus this number. This number represents the energy density of a vacuum and holds a positive value, meaning the universe's expansion is accelerating. Einstein incorporated this number into the equations to allow for a static universe.

ANSWER: **cosmological** constant

5. One theory held that this duo was given a gold medal by the Russian judge in exchange for the American judges giving the Russian team to win a bronze medal. For 10 points each:

[10] Name this American ice dancing pair who won that gold medal at the 2014 Winter Olympics improving from a silver medal from Vancouver.

ANSWER: Meryl **Davis** and Charlie **White**

[10] Davis and White won the Sochi ice dancing gold medal over this Canadian ice dancing pair who captured gold in 2018 over a French team. These two people were Canada's flagbearers during the opening ceremony of that Olympics.

ANSWER: Tessa **Virtue** and Scott **Moir**

[10] This ladies singles gold medalist from Vancouver was also the subject of a controversial Sochi silver after hometown Russian Adelina Sotnikova won the gold medal. This athlete would later light up the cauldron at the 2018 Winter Olympic opening ceremony.

ANSWER: Yuna **Kim**

6. The capital of this nation is located on the island of Guadalcanal. For 10 points each:

[10] Name this nation, located to the east of Papua New Guinea.

ANSWER: **Solomon Islands**

[10] The head of state of the Solomon Islands is this person. This Queen of the Solomon Islands is also queen of Barbados, Belize, and Tuvalu.

ANSWER: Queen **Elizabeth (Elizabeth)** Alexandra Mary of Windsor, **Elizabeth II**

[10] This city is the capital of the Solomon Islands. This city has been marred by ethnic violence between the MEF and IFM.

ANSWER: **Honiara**

7. This type of tool is the first weapon acquired by Gordon Freeman in *Half-Life*. For 10 points each:

[10] Name this tool and makeshift weapon that is used to break glass doors after acquiring it in the chapter *Unforeseen Consequences*.

ANSWER: a **Crowbar** (or **Wrecking Bar**, **Prybar**, **Pinch Bar**, **Prise Bar**, **Jimmy**, **Jemmy**, **Gooseneck**, or **Pigfoot**)

[10] *Half-Life* was developed and published by this company. This company also created the software distribution platform Steam.

ANSWER: **Valve** Corporation (or **Valve** Limited Liability Company, or **Valve** LLC)

[10] This large alien creature is the leader of the Alien forces that invade the Black Mesa facility in *Half-Life*. This being also serves as the final boss of *Half-Life*.

ANSWER: The **Nihilanth**

8. This work includes a chapter titled "The Dynamo and the Virgin". For 10 points each:

[10] Identify this autobiographical work written by the grandson of a President. This Pulitzer Prize winning memoir deals with the radical changes of the start of the twentieth century.

ANSWER: **The Education of Henry Adams**

[10] Henry Adams also wrote a novel titled for this concept that focuses on the corrupt Senator Ratcliffe's pursuit of Madeleine Lee. Walt Whitman wrote a work titled for "Vistas" of this kind.

ANSWER: **Democracy** (or "**Democratic**")

[10] In *Democracy*, the historian Nathan Gore is hoping to be appointed as Minister to this country. Washington Irving served as U.S. ambassador to this nation which also inspired their *Tales of the Alhambra*.

ANSWER: **Spain**

9. Answer some questions about ridiculous things happening to Oscar statues, for 10 points each:

[10] Colin Firth nearly lost his 2011 Oscar for *The King's Speech* in one of these locations. Transphobic politicians in the US have floated bills dictating how trans people must use these locations.

ANSWER: **Bathrooms** (accept synonyms)

[10] Marlon Brando's Oscar somehow ended up being donated by the company Red Granite to this actor, who then handed it over to the US government due to investigations into a Malaysian corruption scandal. This actor dated Israeli model Bar Refaeli for 7 years.

ANSWER: Leonardo Wilhelm **DiCaprio**

[10] This current moderator on *The View* had their Oscar go missing when they sent it to the Academy to be cleaned. The Oscar somehow emerged in an airport trashcan.

ANSWER: Whoopi **Goldberg** (or "Caryn Elaine **Johnson**")

10. Answer some questions about country songs whose titles mention U.S. states, for 10 points each:

[10] According to the title of a song, all of George Strait's exes live in this state. This is the home state of Miranda Lambert, Willie Nelson and all three members of the Dixie Chicks.

ANSWER: **Texas**

[10] The soundtrack to the 1980 Clint Eastwood film *Any Which Way You Can* featured a duet between David Frizzell and Shelly West titled for "the reason God made" this state. This is the home state of Reba McEntire and Carrie Underwood.

ANSWER: **Oklahoma**

[10] Two answers required. The number one song "Louisiana Woman, Mississippi Man" was performed by these two artists, who recorded eleven albums together, including *Lead Me On* and *Honky Tonk Heroes*.

ANSWER: Loretta **Lynn** and Conway **Twitty** (accept in either order)

11. Answer some questions about myths connected to Shiva, for 10 points each:

[10] Shiva plays the role of "Destroyer" alongside Brahma the creator and Vishnu the preserver in this Hindu concept. This trinity-like concept describes the three primary facets of the supreme deity of Hinduism.

ANSWER: **Trimurti**

[10] Shiva's children include this elephant-headed god worshipped as the "remover of obstacles". This god won a race against their brother to win a golden mango.

ANSWER: **Ganesha** (or "**Vinayaka**", "**Pillaiyar**", "**Ekadanta**" and many other names that I am unaware of)

[10] Shiva's first wife is sometimes given as this woman, the daughter of Daksha. When their father insulted Shiva in their presence, they killed themselves by jumping into a pyre.

ANSWER: **Sati**

12. This actor did an entirely unnecessary Scottish accent for their role as Mary, Queen of Scots in *Elizabeth: The Golden Age*. For 10 points each:

[10] Identify this prolific, yet surprisingly unknown, actor who played Hazel in *Synecdoche, New York* and the villainous Mary Lou Barebone in *Fantastic Beasts and Where to Find Them*.

ANSWER: Samantha Jane **Morton**

[10] Morton appeared in 2009's *The Messenger*, a movie for which this man was nominated for an Oscar. This actor played Haymitch Abernathy in the *Hunger Games* movies, and achieved widespread critical acclaim for their role as Sheriff Willoughby in *Three Billboards Outside Ebbing, Missouri*.

ANSWER: Woodrow Tracy "Woody" **Harrelson**

[10] Morton also appeared as Agatha in this Steven Spielberg science fiction flick about "precogs", who stop crime using their foresight. Tom Cruise and Colin Farrell appeared in this film, which is based on a Philip K. Dick story.

ANSWER: **Minority Report**

13. Answer the following about people who have suited up for multiple sports, for 10 points each:

[10] This quarterback who won the Heisman trophy in 2007 and BCS championships in 2006 and 2008 with Florida, now plays baseball in the MLB farm system.

ANSWER: Tim **Tebow**

[10] This basketball player who led the Chicago Bulls to six NBA titles in the 1990s took two seasons off also to play baseball.

ANSWER: Michael **Jordan**

[10] This pitcher on the 1932 Yankees winning team also saw action as a golfer, coming in top 10 of four major golf tournaments in the 1940s including a runner up to Byron Nelson at the 1945 PGA championship.

ANSWER: Sammy **Byrd**

14. Answer some questions about the works of Christo and Jeanne-Claude, for 10 points each:

[10] The artists gained attention for their project *The Gates*, which consists of several thousand sheets of nylon fabric hoisted in this location. This location was designed by Frederick Law Olmsted in New York City.

ANSWER: **Central Park**

[10] Another famous work by the artists is the wrapping of the parliament building of this nation. Joseph Beuys was a twentieth-century artist from this nation who spent three days with a coyote as part of their work *I Like America and America Likes Me*.

ANSWER: **Germany**

[10] Christo and Jeanne-Claude also worked on a project installing these objects in the US and Japan at the same time. Those in California were coloured yellow, and those in Japan were blue.

ANSWER: **Umbrellas**

15. This hero was injured by shrapnel in the Vietnam War, causing them to require a breastplate that needs to be recharged every day. For 10 points each:

[10] Name this armoured superhero, whose real name is Tony Stark.

ANSWER: **Iron Man**

[10] Raza is the film counterpart of this Vietnamese guerilla leader who captures Stark after they are injured by Shrapnel. This character attempted to get Stark to make them a weapon before Stark dies of their shrapnel wounds.

ANSWER: **Wong-Chu**

[10] Wong-Chu is later revealed to be a subordinate of this archenemy of Iron Man. This villain adapted ten power rings from the technology of a crashed alien spaceship.

ANSWER: The **Mandarin**

16. Turtles can slow down one implementation of an algorithm for this task, which can be alleviated by using the “cocktail” variety of these algorithms. For 10 points each:

[10] Name these algorithms, whose simplest algorithms are named bubble, insertion, and selection, that order a list.

ANSWER: **sorting** algorithms

[10] Mergesort is an example of an algorithm in this paradigm where sub-problems are recursively called and built up. The master theorem can be used to solve recurrence relations in these problems.

ANSWER: **divide** and **conquer**

[10] This mix of bubble and insertion sort finds the first out of place element in a list and brings it forward until it falls in the right position. It solves the problem of turtles in bubble sort by bringing them up to their position immediately after they are found.

ANSWER: **gnome** sort [or **stupid** sort]

17. This poem describes a location “by the Moulmein pagoda”. For 10 points each:

[10] Identify this Rudyard Kipling poem set “Where the flying fishes play and the dawn comes up like thunder outer China crost the bay”.

ANSWER: “**Mandalay**”

[10] Rudyard Kipling also wrote this poem that exhorts the reader to “fill the unforgiving minute with sixty seconds worth of distance run”. This poem has a single word title, and its lines about “triumph and disaster” are inscribed in Wimbledon.



ANSWER: “**If --**”

[10] Kipling was a bloody racist, who wrote this poem encouraging American imperialism with lines like “Send forth the best ye breed” and “Bind your sons to exile”. Colonised populations are described as “half-devil and half-child” in this poem.

ANSWER: “**The White Man’s Burden**: The United States and the Philippine Islands”

18. Two songs have topped the UK charts in four different recordings. For 10 points each:

[10] Jimmy Young and Gareth Gates hit #1 with recordings of this song, but its best-known version is by The Righteous Brothers. That version was used as makeout music in the film *Ghost*.

ANSWER: “**Unchained Melody**”

[10] The second song to achieve the feat is a problematic charity single that asks whether people in Africa know that it’s this time of year. Rage Against the Machine’s “Killing in the Name” was #1 during this time in 2009.

ANSWER: **Christmas**

[10] The most recent “Do They Know it’s Christmas” includes vocals from this Beninese singer, a 3 time GRAMMY winner. Dubbed “Africa’s biggest diva”, this singer’s album *Djin Djin* includes a cover of “Gimme Shelter”.

ANSWER: Angélique **Kidjo**

19. Answer some questions about Italian Historiography. For 10 points each:

[10] This man published an eight-volume history of their native Florence from 1520-1525. You may know this man better as the author of *The Prince*.

ANSWER: Niccolò di Bernardo dei **Machiavelli**

[10] Francesco Maria Appendini was an Italian historian who wrote in this Maritime Republic on the Adriatic. This republic centered around Dubrovnik was annexed by Napoleon’s Kingdom of Italy in 1808.

ANSWER: The Republic of **Ragusa** (or Repubblica di **Ragusa**, or Respublica **Ragusina**)

[10] Christine Maria of France ordered the construction of this city’s Royal Palace in 1645. That palace from this city was made into a museum in 1946 and that palace was a historic residence of the House of Savoy.

ANSWER: **Turin (Torino)**

20. Answer some questions about Catherine O’Hara’s career, for 10 points each:

[10] O’Hara currently stars as Moira Rose on this Canadian sitcom about a once-wealthy family who are forced to move to the title location, which they had bought their son as a joke birthday gift many years ago.

ANSWER: **Schitt’s Creek**

[10] O’Hara appeared as Debra Radcliffe, the author of the successful book *Clean Out Your Junk Drawer* in an episode of this ABC show. In that episode, Sofia Vergara’s character of Gloria Pritchett wins a seminar with them.

ANSWER: **Modern Family**

[10] Catherine O’Hara has twice played Georgina Orwell, a character created by this author. The first time was in a Jim Carrey-starring film, while the second was in a Neil Patrick Harris-starring Netflix series.

ANSWER: Lemony **Snicket** (or “Daniel **Handler**”)