

# DECAMERON

## NON-ILLEGAL CHIMERA'S DECAMERON PACKET

1. **This planet contains an extended corona of about 50,000 km that contains elemental hydrogen. The proposed MUSE mission will study this planet's atmosphere. This is the smaller of two planets proposed to contain a layer of superionic water. The mantle of this planet may feature an ocean of liquid diamond with floating "diamond-bergs." This planet's magnetotail is (\*) twisted into a corkscrew shape. This planet's rings are named for greek letters and it was originally called George's Star by its discoverer William Herschel. Moons of this planet are named for characters in works of Shakespeare and Alexander Pope, such as Miranda, Oberon and Titania. For 10 points, name this blue "ice giant" known for its extreme axial tilt, the seventh planet from the sun.**

ANSWER: Uranus <Calin, Science - Earth/Space>

2. **This character hears the sayings of Solomon such as "a good name is better than a precious ointment" from his father. In a novel, after receiving a diamond and a red purse, Julie Herbault receives a letter from an alias named after this character. This character creates a stirrup for a horse for a society that buries a couple once one of them dies. It's not Odysseus, but this character escapes from and blinds a man-eating giant. This character tells a similarly named (\*) porter his story after the porter asks God why this character is so rich. In *The Count of Monte Cristo*, this character's name is adopted by Edmund Dantes, and in another work, this character sees a valley of diamonds after tying his turban to the leg of a roc. For 10 points, name this sailor whose seven voyages are described by Scherezade in *The Arabian Nights*.**

ANSWER: Sinbad the Sailor <Chen, Literature - Any Fiction>

3. **A 2020 paper by Feng et al. explained topological data analysis by displaying dotted outlines of this character with varying thickness. A player using this character in a Super Smash Bros. Melee tournament, "Chango", won a game by stalling for so long that his frustrated opponent angrily unplugged his own controller. In that video game, this character's Standard Special Move is Rollout. In the *Pokemon Adventures* manga, Green uses this character as an (\*) inflatable hot-air balloon, which is fitting, as this character is called the Balloon Pokemon. This character notably uses a marker as a microphone while singing, and then angrily draws on its audience's faces with that marker when they inevitably fall asleep. For 10 points, name this spherical, wide-eyed Pokemon that, when exposed to a moonstone, evolves into Wigglytuff.**

ANSWER: Jigglypuff [accept Purin] <Kaashyap, Popular Culture - Any Pop Culture>

4. **In order to quell discontent, this monarch dedicated the Grand Matsu temple and promoted the goddess Mazu to the status of "Empress of Heaven." During this man's rule, the missionary Karel Slavicek made the first precise map of this man's capital city. He relaxed the Sea Ban after defeating the Kingdom of Tungning, led by Koxinga. He responded to the papal bull *Ex illa die* by expelling Jesuits in the (\*) Chinese Rites Controversy. This leader gave priority to the Green Standard Army over the Eight Banners due to the latter's poor performance against Wu Sangui during the Revolt of the Three Feudatories. For 10 points, name this longest-reigning emperor in Chinese history, the grandfather of the Qianlong Emperor.**

ANSWER: Kangxi Emperor [accept Qing Shengzu or Xuanye] <Kaashyap, History - Asian>

5. **The rate of intersystem crossing is large if the transition involves a change in these entities according to El Sayed's rule. Solving the energy of these entities for butadiene gives the golden ratio, which can be done by calculating the secular determinant. Assuming the frozen core approximation allows you to calculate the ionization energy from one of these entities due to (\*) Koopmans' theorem. When these entities have a center of inversion, they can be considered "gerade." They are often calculated as linear combinations of simpler atomic counterparts. When these entities contain nodes, they are known as antibonding and denoted with an asterisk. For 10 points, name these entities that describe the probability density of electrons in a molecule.**

ANSWER: molecular orbitals [accept MOs; prompt on "orbitals"] <Calin, Science - Chemistry>

6. **In the stories of the Salish people, a female one of these animals defeated a gluttonous bear in a dancing contest to create the cycle of day and night. The farmer Akinosuke finds himself transported to a kingdom of these animals, whom he thinks are human until he finds the coffin of his wife, one of these animals, under a cedar tree. Indra's arrogance is curbed after he realizes that all previous Indras have been reincarnated as these animals. Quetzalcoatl takes the form of this animal to bring (\*) corn to the Aztec people. After a plague killed the citizens of Aegina, Zeus replaced them by transforming these animals into humans. Cupid sends these animals to help Psyche sort large piles of grain. The ancestors of the Myrmidons, for 10 points, name these small insects whose namesake "hills" are often worshipped by Hindus as a symbol of Mother Earth.**

ANSWER: ants <Kaashyap, Beliefs and Legends - Non-European Mythology>

7. **In this film, a character wishes he could have a "house on a cliff." That character frequently asks if "you want to die an old man, filled with regret, waiting to die alone." This film's repeated use of the song "Non, Je Ne Regrette Rien" is a reference to its original length. A popular internet meme arising from this movie originated from the phrase (\*) "We need to go deeper." At the end of this film, the protagonist escapes his wife Mal and leaves his "totem" spinning on the table. In this film, the business magnate Mr. Saito hires the protagonist to manipulate Fischer to split up his father's empire using the title idea. For 10 points, name this 2010 Christopher Nolan film featuring Leonardo DiCaprio as the dream-entering Dom Cobb.**

ANSWER: Inception <Chen, Popular Culture - Movies and TV>

8. **This genre's name originally referred to a collection of miscellaneous poems, and it was invented by Lucilius, resulting in Quintilian calling it "wholly ours." One work in this genre sees a rich host describe his future tomb to the sculptor Habinnas. This A work in this genre describes how the Council of State wasted an exorbitant amount of time figuring out how to cook a large (\*) turbot for the emperor. Encolpius and Giton attend the lavish feast of the freedman Gaius Trimalchio in a work of this genre's Menippean form, another example of which is Seneca's *Apocolocyntosis*. One work in this genre rants about the infidelity of women and asks "but who will guard the guards themselves?" For 10 points, which genre, which includes the *Sermones* of Horace and a book by Petronius, was often practiced by the poet Juvenal?**

ANSWER: Roman satire [accept Menippean satire] <Kaashyap, Literature - Any Genre>

9. *Description acceptable.* **One figure in this position appears red-cloaked in the top half of Tintoretto's depiction of the savior of a slave's eyes and mouth from an ax for his devotion to St. Mark, the *Miracle of the Slave*. It's not related to clothing, but the artist of a series of steel "cutouts" painted a close-up of his wife in this position. In addition to that work by Alex Katz, a gouache work by Henri (\*) Matisse was given much controversy due being incorrectly given this attribute for 47 days. In one work in the Cerasi Chapel, a figure transferring to this position looks towards the Assumption of Mary and is raised by three executioners in front of a rock; that work is Caravaggio's *Crucifixion of St. Peter*. Two houses and a violinist share, for 10 points, what position in Marc Chagall's *I and the Village* that may make one's blood rush to their head.**

ANSWER: being upside down [accept equivalents; accept swooping in or similar answers on the leadin]  
<Kanigicherla, Fine Arts - Painting>

10. **This city is the subject of the second book of Pausanias's *Description of Greece*, and it was connected to its port of Lechaemum by the Eastern and Sicyonian Walls. Its legendary king Telestes was overthrown by the Bacchiadae, and this city developed a system to move ships over land called the Diolkos. One native of this city, Demaratus, fathered Tarquinius Priscus, and direct Roman control over Greece was achieved after Lucius (\*) Mummius sacked it. It was once ruled by the tyrant Periander, and Philip II controlled Greece through a "League" named after this city. For 10 points, name this Greek city-state that controlled its namesake isthmus and names a style of Classical architecture more ornate than the Doric and Ionic forms.**

ANSWER: Corinth <Kaashyap, History - Ancient/Classical>

11. **A woman in this novel is denied a gravemarker for her husband after she claims that "so many die of want." A character in this novel needs four men to carry his hot chocolate. This novel ends with a character seeing his companions in the future with a son named after him, shortly after that character comforts a seamstress heading to her (\*) execution.** In the beginning of this novel, a character delivers a letter that states "Recalled to Life." That character, the "resurrection man" Jerry Cruncher, appears in this novel, which ends with Sydney Carton taking his doppelganger's place on the guillotine. Beginning "it was the best of times, it was the worst of times", for 10 points, name this best-selling novel about Charles Darnay by Charles Dickens.

ANSWER: A *Tale of Two Cities* <Chen, Literature - Long Fiction>

12. **A corrinoid compound containing these two elements donates a methyl group to coenzyme A in the Wood Ljungdahl pathway. A superfamily of enzymes using these two elements reduces SAM to create radicals. HiPIPs are a family of proteins containing these two elements which usually contain a cubane structure ligated to cysteine. One theory pioneered by Gunter Wächtershäuser suggests that life first evolved inside (\*) hydrothermal vents in these elements' namesake "world hypothesis."** A protein containing these two elements binds to citrate to form isocitrate in the first step of the Krebs cycle, aconitase. These two elements are the most abundant in the FeMo cofactor and ferredoxins contain namesake clusters of them. For 10 points, name these two elements that are oxidized by organisms such as *Acidithiobacillus ferro-oxidans* in the form of pyrite.

ANSWER: iron AND sulfur [accept iron-sulfur clusters or iron-sulfur world] <Calin, Science - Biology>

13. **A poem about this author mentions the "tide of some black mixture" and mentions "failing to sculpt a bas-relief." This author wrote a work in which he believed that all literary works should be short and that "the death... of a beautiful woman is unquestionably the most poetical topic in the world." This author described one topic as having "driven the Hamadryad from the wood" and in another poem, compared one of his lovers' beauty to (\*) "Nicéan barks of yore." This author's "tomb" was the subject of a Stephen Mallarme poem, and in another poem, this author asks why the title creature "is on the Night's Plutonian shore." For 10 points, name this poet of "Sonnet to Science" and "To Helen," who is more notable for writing "The Raven."**

ANSWER: Edgar Allan Poe <Chen, Literature - Poetry>

14. **The Nettilling and Amadjuak lakes are found in this region's largest island which contains such peaks as Mount Thor in its Auyuittuq National park. Cornwallis Island is separated by the Parry Channel from Devon Island to the south in this region. A culture from Kinnigait near Foxe Peninsula in this region was discovered by Diamond Jenness. The Sadlermiut group that settled around Coats Island were the last remnants of the (\*) Dorset culture from this region. The northernmost permanently inhabited place in the world is in this region off of Cape Sheridan and takes its name from the HMS Alert. The British Empire Range contains Barbeau Peak, the highest mountain on Ellesmere Island in this region. Frobisher Bay can be found on Baffin Island in this region. For 10 points, name this primarily Inuit northern Canadian territory whose capital is Iqaluit.**

ANSWER: Nunavut [accept Baffin Island on the leadin]<Calin, Geography - North America>

15. **This G major work begins with four Ds, and then the same one octave lower, echoing an earlier proclamation. Earlier, the characters that deliver "Ho una casa nell'Honan" exclaim that a man's grave is already being dug, in contrast with this work in which the singer claims that at dawn, another character described to be encircled in ice in the aria "Tu (\*) che di gel sei cinta" will be his. This piece is sung because Calaf knows that the Princess cannot name him; accordingly, it ends on a sustained A4 "Vincero!" A video of this aria sung on a Florentine balcony went viral during the 2020 Italian lockdown due to coronavirus, and performed by tenor Maurizio Marchini. For 10 points, name this staple of Luciano Pavarotti's repertoire, a tenor aria from the final act of Giacomo Puccini's *Turandot* translated as "Let no one sleep."**

ANSWER: "Nessun dorma" [prompt on Turandot] <Kanigicherla, Fine Arts - Other Auditory Arts>

16. In "A Tale of a Tub," a bathtub is thrown at an animal representing this text. A scene in this text sees the author debate with a character who states that "there is no such thing as justice." This text divides power into two types: natural and instrumental, and identifies the four uses and abuses of speech. Michael Oakshott wrote an introduction to this text, which coins the term "decaying sense" to define (\*) imagination. This text highlights the problems of misinterpreting scripture leading to a "confederacy of deceivers," and famously characterizes human nature as a "war of all against all." For 10 points, name this philosophical treatise on human nature stating that life is "solitary, poor, nasty, brutish, and short," a work by Thomas Hobbes.

ANSWER: Leviathan or *The Matter, Forme and Power of a Common-Wealth Ecclesiasticall and Civil* <Chen, Thought - Philosophy>

17. A group of children mistake Jesus for George W. Bush in a film centered around this institution which asks: "Who do you want to see go first? You? Or them?" This institution sued Helen Steel and David Morris for defamation, resulting in the longest trial in British history. This institution originated in (\*) Downey, California, where its mascot was the character "Speedee." An employee from this franchise famously stated "Please stop, Please stop" after their South Korean and Japanese branches were subject to massive "potato parties." This franchise introduced the idea of "supersizing" after they increased the size of their soft drinks and french fries. For ten points, name this company, the world's largest fast food chain.

ANSWER: McDonald's [accept Mickey D's] <Chen, Other Academic> (The film was *Super-Size Me*)

18. In the aftermath of the Bawdy House Riots, one ruler of this house saw his mistress, Lady Castlemaine, criticized in the *Poor Whores' Petition*, years before he allied with France in the Treaty of Dover. One of its rulers was given the epithet "an Chaca," meaning "the shit," after deserting one group of supporters. Flora MacDonald disguised a male member of this house as the maid Betty Burke after he ignored the advice of George Murray and lost the Battle of (\*) Culloden. A ruler from this family faced both the Medway Raid and the Rye House Plot. The last monarch of this house failed to regain the throne after losing the Battle of the Boyne, and he gave his name to a movement led by his descendant Bonnie Prince Charlie, the Jacobites. Interrupted by the reign of Oliver Cromwell, for 10 points, name this royal house of Charles I and James II.

ANSWER: House of Stuart <Kaashyap, History - British/Commonwealth>

19. In a possible reference of the Exodus during his death, Joseph detailed instructions for the transport of some of these objects by the Israelites. In Exodus 13:19 that oath was enacted upon by Moses, and later brought to Shechem. A dead man was revived after being thrown at some of these objects that belonged to Elisha in haste due to invading Moabites. In the Book of Judges, soon after (\*) Samson torched the fields of the Philistines with 300 foxes, he "made donkeys out of" and killed a thousand men with one of these. After these were put together, a man who had eaten a scroll and seen the fiery and creature-filled chariot of God promised to bring them back to the land of Israel. For ten points, name these objects that were dry when resurrected by Ezekiel in a valley, one of which Adam lost in the creation of Eve.

ANSWER: bones [prompt on human remains; accept specific bones, such as ribs, jawbones, etc.]<Kanigicherla, Beliefs and Legends - Abrahamic Religion>

20. A spectrum of auxiliary particles added to the propagator take this quantity as an infinite limit in Pauli-Villars regularization. Particles with a zero value for this quantity and spin greater than one cannot carry a charged Lorentz-covariant current according to one theorem. The presence of Faddeev-Popov ghosts in every gauge field causes it to acquire this quantity. When Goldstone bosons are "eaten" (\*) by three gauge bosons, they gain this quantity. It has been proven that Yang-Mills theory develops a gap named after this quantity on a lattice and tachyonic fields have an imaginary value for this quantity. Through spontaneous symmetry breaking, fermions acquire this quantity from the Higgs field. For 10 points, name this quantity, whose SI unit is the kilogram.

ANSWER: mass <Calin, Science - Physics> (the theorem is Weinberg-Witten)

21. **This figure sings a song to a group of dancing girls about his experience on a fishing trip with the figure "Life" and "Wisdom." In one section of a text that he appears in, this figure forces a poisonous snake to clean his wound after it bites him. This figure berates a murderer who feels guilty of his crime, the "pale criminal." A riddle that this figure creates is about a dwarf that represents the idea of (\*) "eternal return."** This figure arrives in the town of Motley Cow and witnesses a jester kill a tightrope walker, and is represented as the "Übermensch" in his namesake work. For 10 points, name this title subject of a Friedrich Nietzsche work, the founder of Zoroastrianism.

ANSWER: Zarathustra [accept Zoroaster] <Chen, Thought - Any Thought>

22. **This character describes a man as a "motor-bus" because he has "no consideration for anyone." That man threatens to "wring [this character's] neck" after she threatens to work for Professor Nepean. In one scene, this character retorts that she only ate half a chocolate because she "was too ladylike to take it out of [her] mouth." This character's father is dismayed to have been left a large (\*) fortune after a character jokingly wrote a recommendation on his lectures of "middle-class" morality. This character angrily throws a pair of slippers at a man after a garden party. This character shouts "Not bloody likely!" to Freddy Eynsford-Hill who enjoys her "small talk." For ten points, name this Cockney-accented flower girl who is taught by Henry Higgins to speak properly in *Pygmalion*.**

ANSWER: Eliza Doolittle [accept either name] <Chen, Literature - Drama>

23. *Description acceptable:* **Instead of getting with Lorenzino's sister Laudomia, Alessandro de' Medici was subjected to this action after being attacked with daggers. When two carpenters had made the coffin for Pope Alexander VI too small, they performed this action and subsequently bashed him with their fists until he fit. A kidnapping that involved this action was part of a larger Operation Mickey Mouse and was perpetrated by Otto Skorzeny to pressure Hungary's (\*) Miklós Horthy. The Mongols' belief that the earth would be offended if royal blood was spilled caused this action to be taken on Al-Musta'sim before having him trampled in the Siege of Baghdad. *Plutarch's Lives* describes that this action was taken by Cleopatra to meet Caesar. For 10 points, name this action that involves wrapping someone inside of a decorative textile that comes in Oriental and Persian varieties.**

ANSWER: getting rolled up in a carpet [accept reasonable equivalents; accept rug in place of carpet; prompt on partial answer] <Calin, History - European>

24. **A scene from a Robert McAlmon story, in which a couple looks at a depiction of a woman with this surname, inspired Charles Demuth's watercolor *Distinguished Air*. In a newspaper interview, an artist cited Goethe's "Eternal Feminine" to explain his "simplifying" of his depiction of a person with this surname from the statue *Woman looking at a mirror to a single, enlarged phallus*, titled (\*) *Princess X*. A marble depiction of a woman with this surname depicts her reclining with an apple in hand, echoing the Judgement of Paris; that work is *Venus Victrix*. A man with this surname was depicted as *Mars the Peacekeeper* in a statue sculpted by Antonio Canova. For 10 points, which French family included Princess Marie, Pauline Borghese, and Napoleon?**

ANSWER: Bonaparte [prompt on Princess X with "but who is the princess?"] <Kanigicherla, Fine Arts - Other Visual Arts>

25. **This artist has an unreleased track titled "Been Had Her" which is widely remixed on different music streaming platforms. This artist was the opening act for Juice Wrld's *Domination Tour*, and he has also performed for free for a baby toy drive in his home town of Seattle. In a music video produced by Lyrical Lemonade, this rapper is seen in the (\*) "Hype House" with tik tok stars such as Chase Hudson and Addison Rae. That song compares lean to a "Blueberry Faygo." In the deconstructed Genius video, his producer, Royce David, talks about "pitching it up one semitone" for when he made the beat for the new version of the song "Noticed." For 10 points, name this rapper who has released songs such as "Kamikaze" in the album *Northsbest*.**

ANSWER: Lil Mosey <Calin, Popular Culture - Music>

26. Edward Chamberlin criticized the prominent models of this situation as naive for not recognizing firms' interdependence. The Edgeworth solution places restraints on production capacity in this type of system. Paul Sweezy argued that since firms in this situation respond differently to price increases and price decreases, the demand curve for firms in this situation is non-differentiable, or (\*) "kinked." This market structure is described by the Bertrand, Stackelberg, and Cournot-Nash models. Markets in this situation are most vulnerable to price wars, as well as collusion via price fixing, which sometimes results in cartels. A type of imperfect competition, for 10 points, name this economic situation in which few firms compete to sell products.

ANSWER: oligopoly [accept word forms; anti-prompt on "duopoly"] <Kaashyap, Thought - Hard Social Science>

27. The alpine chough and Eurasian curlew are depicted in one of this composer's works, and in another, three talas feature an ondes martenot and his second wife, Yvonne Loriod, as a pianist in a "love poem." Commissioned by Sergei Koussevitsky, that work depicts four "cyclic themes" including those with reiterated trombone chords and clarinet arabesques, the statue and flower themes respectively. This composer wrote a twelve-movement work based off of sites in (\*) Utah, titled *From the Canyons to the Stars...* This composer also referred to birds in their "abyss" in a work whose other movements prefaced with "a shimmer of sound" include a *Crystal Liturgy* and a movement for cello, piano, and clarinet. For 10 points, name this French composer and ornithologist, who wrote the *Turangalila-Symphonie* and *Quartet for the End of Time*.

ANSWER: Olivier Messiaen <Kanigicherla, Fine Arts - Classical Music>

28. In a short story titled for these animals, Grant agrees to have an affair with Marian so that his wife Fiona can stay with Aubrey. In another short story titled for these animals, a colt is found "partly-eaten" by a creature who was tamed after being starved for a week. In that short story named after these animals, a character gives a 1600-word monologue to his cousin Cass Edmonds about his plans to reclaim his family's (\*) plantation. In a 1942 collection, the titular animal is killed with the help of the mastiff Lion. That animal, Old Ben, titles a short story by William Faulkner, and in *The Winter's Tale*, a stage direction states to "Exit, pursued by [one of these animals]." For 10 points, identify this animal, literary examples of which include one that lives in Hundred Acre Wood.

ANSWER: bears [accept "The Bear" or "The Bear Came over the Mountain"] <Chen, Short Fiction>

29. One piece of legislation named after this figure was sponsored in the Senate by Nelson Aldrich. This leader's policies were mocked in the political cartoon "A Giant Straddle," while his disregard for the press was illustrated in the cartoon "Pesky, but Harmless." This president's first election marked the beginning of the Fourth Party System. While he represented Ohio in Congress, this man was called the "Napoleon of (\*) Protection" for sponsoring a namesake tariff which was replaced by the Wilson-Gorman Tariff. With the support of Mark Hanna, he won an election with his "front porch campaign", after which he placed America under the gold standard. An opponent of William Jennings Bryan, for ten points, name this president who was shot at the Pan-American Exposition by Leon Czolgosz, after which he was succeeded by Theodore Roosevelt.

ANSWER: William McKinley <Kaashyap, History - American>

30. In one version of this game, one can kill all the major bosses to create a "Big Bertha" weapon. A painting in this game features the *Wanderer above the Sea of Fog* while another sees a giant finger touching a karate figure. This game was given ray-tracing support in April 2020. A famous meme centered around this game asks for the amount of "dedotated wam" one needs to run a (\*) server. One recent update to this game added a "piglin" which can be found in bastions. Giving the nametag "Johnny" to a vindicator in this game causes it to attack nearby mobs and giving the name "Jeb\_" will make sheep rainbow colored. This game recently overtook Tetris as the best selling videogame of all time. For 10 points, name this Mojang sandbox game created by Notch.

ANSWER: Minecraft <Chen, Writers' Choice>

31. **Budd and Mann suggest that this process was the result of a type of survivorship bias called the "push of the past." Vertical burrowing through microbial mats aided this process in its "substrate revolution." The five-eyed Opabinia and spiny slug-like Wiwaxia are some of the most important organisms for understanding this process. The book *Wonderful Life* describes the theory of (\*) contingency put forth by Stephen J. Gould about this event. A mass extinction of the Ediacaran biota occurred before this event which can be explained by the development of vision in the "Light Switch" theory. For 10 points, name this event that occurred roughly 540 million years ago which saw the rapid diversification of phyla during the namesake geological era.**

ANSWER: Cambrian explosion [or Cambrian radiation] <Calin, Science - Any Science>

32. **In the board game *7 Wonders*, a guild named after these objects awards 1 victory point for each brown, grey, or purple card in the player's city. The largest one of these objects in *Total War: Shogun II* is automatically obtained after the player is declared as the shogun; that one of these objects is named Nihonmaru. In the *Axis & Allies* series, one object of this type is the only unit unable to destroy an enemy. In the *Ticket to Ride* series, players must use one or more (\*) locomotives when claiming routes named after a type of these objects. In the first expansion of *The Settlers of Catan*, these objects can be built with 1 wood and 1 sheep. In *Diplomacy*, pieces representing groups of these objects can form convoys in order to transport land units across water. For 10 points, name this type of object which serves as the primary setting of *Titanic: The Board Game*.**

ANSWER: ships [or boats; accept equivalents; prompt on "ferries" after "Ticket to Ride"] <Kaashyap, Other Academic>

33. **He's not Chinese, but one opponent of this leader, known as the "cavalier of hope", undertook a "Long March" in a futile attempt to escape him. After he was prohibited from being reelected, he perpetuated his regime by fabricating the fictitious "Cohen Plan." This leader committed suicide after an assassination attempt on his rival Carlos Lacerda, the (\*) Rua Tolenero incident, writing "I leave life to enter history." This leader ended the "coffee with milk" politics of his nation's Old Republic, which were based on the oligarchic coronelismo system. After succeeding Enrico Dutra as president, he reduced his nation's dependence on foreign powers and created the oil company Petrobras. For 10 points, name this Brazilian president and dictator who led his country's Estado Novo.**

ANSWER: Getúlio Dornelles Vargas <Kaashyap, History - World>

34. **This figure, in contrast with four other lords including Amoghasiddhi and Vairochana, acts as the head of the Lotus Family. One text referencing this figure's domain includes descriptions of the nine grades of humans born there, as well as a set of thirteen contemplations to bring one closer. To help Guanyin better attend to those who were suffering, this figure gave her 11 heads and a thousand arms, and in reverence Guanyin placed his image in her crown. A set of (\*) forty-eight vows details the nature of people born in this figure's ideal domain. *Nianfo* refers to the chanting the name of this figure, who was once a bodhisattva named Dharmakara, is thought to allow one to be born in his Pure Land, the Western Land of Infinite Bliss. For 10 points, name this Buddha of infinite life and infinite light, who teaches those in Sukhavati.**

ANSWER: Amitabha Buddha [accept Amida] <Kanigicherla, Beliefs and Legends - Non-Abrahamic Religion>

35. **A small wooden figure called *kavakava* represented starving ancestors of this island's natives. A crescent shaped ornament worn by natives of this island is called a *reimiro*, which also appears on its flag. After stealing a sooty tern egg from an islet off this location and climbing the cliff of Rano Kau up to Orongo, you would earn the *Tangata manu* title. The (\*) Polynesian rat was instrumental in the extinction of its namesake palm, which is described in Jared Diamond's *Collapse*. This island was first described by Jacob Roggeveen, where wood was used to write the Rongorongo script. Tuna empanadas are enjoyed in this island's largest city of Hanga Roa. For 10 points, name this island controlled by Chile, the location of monolithic stone heads called moai.**

ANSWER: Easter Island [or Rapa Nui] <Calin, Geography - South America>

36. In Ovid's *Metamorphoses*, this deity claims that her "temples are so few" as she asks Jupiter to arrange funeral honors for a hero whose companions were turned into birds. She was syncretized with Mater Matuta, a Roman cult deity worshipped in Latium and Campania. During the Trojan War, one child of this deity killed Nestor's son Antilochus to avenge the death of Aesop. This deity had a long affair with a figure who helped Amphitryon fight the Taphians and accidentally killed his wife with a spear that never missed; that man was (\*) Cephalus. This lover of Orion was the mother of the Ethiopian King Memnon, and she gave Tithonus immortality, but not eternal youth, resulting in his transformation into a cicada. Often called *rhododactylos*, or "rosy-fingered," for 10 points, name this counterpart of Aurora, the Greek goddess of the dawn.

ANSWER: Eos [accept Aurora before mention] <Kaashyap, Beliefs and Legends - European Mythology>

37. One sports team based in this country is currently captained by Meg Lanning and won the most World Cups of any country in its sport. One player from this country was so good that another country's team devised a new set of tactics just to combat him; those tactics, the "Bodyline," were highly dangerous, and thus banned within a year. In 2007, this country completed the first Cricket World Cup hat trick, winning three consecutive championships in a row. The cricket player most widely considered the greatest batsman of all time, (\*) Don Bradman, played for this country. After a 2018 ball-tampering scandal, David Warner was forbidden from ever captaining this country's cricket team, which includes players like Steve Smith and Glenn Maxwell. For ten points, name this country that hosts cricket games at stadia in Melbourne and Sydney.

ANSWER: Australia <Kaashyap, Popular Culture - Sports>

38. One of this thinker's theories developed into a belief in a New Supreme Great Being and arose from "order and progress," which incidentally became popular in Brazil. John Stuart Mill's *System of Logic* repeatedly references one of this thinker's works, but later Mill criticized parts of this thinker's system with "bad" and "good." Inspired by his time as a secretary to (\*) Henri Saint-Simon for one of his major works, this thinker developed a theory with stages involving "fetishism" and "polytheism," which made up a larger "theological" section of a three-stage system. For 10 points, name this French sociologist who coined the term "altruism," and is recognized as the founder of positivism.

ANSWER: August Comte <Kanigicherla, Thought - Soft Social Science>

39. A group on this website was criticized after they forced members to take a picture of their forearm to prove their race. This website apologized after several people were misidentified as suspects of the Boston Bombing, including the missing Sunil Tripathi. The user "gallowboob" is the largest contributor to this website, which received backlash after they introduced a (\*) chatroom feature that was plagued with a site-wide issue. This website's most disliked comment stated that in-game purchases "provided players with a sense of pride and accomplishment," and was written by EA. Members of this website can celebrate their "cake day," and messages can be given silver, platinum, or gold awards. For 10 points, name this social media platform founded by Steve Huffman where one can upvote or downvote posts.

ANSWER: Reddit [anti prompt on subreddits, I guess] <Chen, Writers' Choice>

40. An object called Sir Robin was discovered in this construct in 2018 and is analogized to a knight in chess. The OTCA metapixel can emulate this construct using the Hashlife algorithm in Golly. A pattern called the Garden of Eden can be found in this construct which can be described using a Moore neighborhood. The speed of some objects in this construct can be calculated as the speed of light times the max of (\*) two coordinates over  $n$ . "Taming" can turn useless dirty exhaust to clean exhaust from Puffer engines in this construct. The "Gosper gun" shoots out gliders every 30 generations in this construct. States in this construct die if they have less than two neighbors. For 10 points, name this Turing-complete cellular automaton that sees the biologically reminiscent evolution of cells, a zero-player game invented by John Conway.

ANSWER: Conway's Game of Life [prompt on "cellular automaton" until mentioned] <Calin, Science - Math> (writers' notes: RIP Conway. He left too soon.)