

Round 7

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Tossups

(1) **This mythical figure slew the bandits Sciron and Procrustes while traveling to Athens with a sword and sandals that proved his identity to his father. King Aegeus threw himself into the sea when this figure forgot to change his (*) sails from black to white. With Pirithous, this warrior tried to abduct Persephone from the underworld, and he abandoned Ariadne after she used a string to help him defeat the son of the Marathonian Bull. For ten points, name this mythical Greek hero who slew the Minotaur.**

ANSWER: Theseus

(2) **In this river's basin, fertile soil called *terra preta* has a high concentration of charcoal. In regions like Pará and Mato Grosso, farmland is created along this river via controversial slash-and-burn deforestation. (*) Manaus lies near this river's junction with the Rio Negro. An atmospheric wind tunnel carries dust from the Sahara Desert to fertilize the rainforests along this river in Brazil. For ten points, name this longest river in South America.**

ANSWER: Amazon River

(3) **A member of this family condemned the Smithsonian's display of a machine created by Samuel P Langley, resulting in an agreement not to display similar machines claiming to be created before 1903. On the advice of Octave Chanute, two members of this family conducted experiments at (*) Kitty Hawk that helped secure a US Army contract for this family. Half a dozen pilots died flying the Type C planes created by, for ten points, what family that included Orville and Wilbur, the creators of a namesake glider?**

ANSWER: Wright (accept Wright brothers; accept Orville and/or Wilbur Wright)

(4) **This artist painted a low-angle view of his son and his wife in his garden, and executed numerous plein-air [plehn-ayr] studies of *Haystacks* and the *Rouen Cathedral* in various seasons and lightings. This artist's paintings of his garden in (*) Giverny show a green, Japanese-style bridge over broadly-painted *Water Lilies*. For ten points, name this French artist whose painting of a *Sunrise* over a hazy harbor accidentally named the Impressionist movement.**

ANSWER: Claude Monet (accept Oscar-Claude Monet)

(5) **Leucippus proposed the existence of these objects, whose "swerve" was described by Lucretius. The presence of "corpuscles" within these objects was confirmed by an experiment with cathode ray tubes. (*) JJ Thomson's "plum pudding" model of these objects was disproved by Rutherford's gold foil experiment, which described these things' center as a dense nucleus that, in the Bohr model, was orbited by negatively-charged particles. For ten points, name these tiny objects composed of neutrons and protons surrounded by electrons.**

ANSWER: atoms

(6) **In this novel, a man in Sallee enslaves the protagonist and Xury. A character in this novel climbs onto a tree branch to bait an attacking bear while traveling with a former mariner from York. A battle won by “the Spaniard” and (*) Friday is chronicled by this novel’s title character, who calls himself a “lord and lawgiver” when two former cannibals and another sailor join him on his island farm. For ten points, name this novel by Daniel Defoe about a man who survives a shipwreck on a deserted island.**

ANSWER: Robinson Crusoe (accept The Life and Strange Surprising Adventures of Robinson Crusoe of York, Mariner)

(7) **This man included “Oh Freedom” and “This Land is Your Land” on his 1987 spoken word folk album *We Shall Overcome*. In Portland in 2016, after a bird briefly landed on his podium, this man proclaimed “no more wars!” While concerned about a 2019 FEC fundraising (*) deadline, this man proclaimed “I am once again asking for your financial support” while wearing a coat and mittens that re-appeared on Inauguration Day. For ten points, name this independent Senator from Vermont and two-time Democratic presidential hopeful.**

ANSWER: Bernie Sanders (accept Bernard Sanders)

(8) **This novel’s protagonist abandons her Avery scholarship to Redmond College after the death of her adoptive father, and befriends her former enemy when he gives her his teaching position in (*) Avonlea. In this novel, siblings Matthew and Marilla Cuthbert accidentally adopt the title girl to help out on their farm on Prince Edward Island, where she befriends Diana Barry and falls in love with Gilbert Blythe. For ten points, name this novel by LM Montgomery about the title plucky, red-headed orphan.**

ANSWER: Anne of Green Gables

(9) **At this man’s memorial service, Raúl Castro and Barack Obama shook hands as part of the “Cuban thaw.” This man co-founded a militant group called Spear of the Nation in 1961 and, at the (*) Rivonia Trial, was sentenced to life in prison, spent mostly on Robben Island. After FW de Klerk freed this man in 1990, he called for a Truth and Reconciliation Commission to repair his country from decades of Apartheid. For ten points, name this first Black president of South Africa.**

ANSWER: Nelson Mandela (accept Nelson Rolihlahla Mandela)

(10) **These organisms can expel symbiotic zo-o-xan-thellae when exposed to acidification, which can be measured by the growth rings in the “bamboo” type of these organisms. When these (*) cnidarians [nye-DAY-ree-ans] are exposed to temperature change, their calcium carbonate shells may undergo bleaching, the loss of their characteristic bright colors. Atolls are ring-shaped structures formed by colonies of these animals. For ten points, name these animals whose polyps form structures like the Great Barrier Reef.**

ANSWER: coral reefs (accept coral polyps; accept octocorals)

(11) **This technology, whose works are often distributed via SWF files, was used to create a work in which Abraham Lincoln and Jackie Chan collide in the air before an immaculate chorus accompanies Chuck Norris’s descent from the heavens. “The Ultimate (*) Showdown of Ultimate Destiny” was produced in this animation platform, which was abandoned after the creation of HTML5. For ten points, name this Adobe software platform that, until December 31st, 2020, was commonly used in mobile and web games.**

ANSWER: Adobe Flash (accept additional information, like Flash animations)

(12) **Stephen of Blois succeeded a king of this name whose son had drowned. Another king of this name suppressed Owain Glyndwr's ["Owen" glen-dah-wer's] revolt in Wales. Another king with this name led English troops at (*) Agincourt. Thomas More and Thomas Cromwell advised the final English king of this name, who broke from the Catholic Church after seeking an annulment from Catherine of Aragon. For ten points, give this common name of English kings, the eighth of whom had six wives.**

ANSWER: Henry (accept Henry I, IV, V, and/or VIII)

(13) **During this god's Chaturthi in the month of Bhadra-pada, he is celebrated as a "modaka-priya" with offerings of jaggery-and-coconut sweets. The *Mudgala Purana* describes thirty-two forms of this god, who is often depicted riding a mouse. Although this god is nicknamed the (*) "remover of obstacles," he got his most recognizable feature when he was decapitated for blocking his father's way to his mother, Parvati. For ten points, name this Hindu god, a son of Shiva with the head of an elephant.**

ANSWER: Ganesh (accept Ganapati; accept Vinayaka; accept Paillaiyar; NOTE: modakapriya means "lover of sweets")

(14) **In a proof of the existence of this type of number, the equation " x squared equals two y squared" is analyzed to note that y cannot be both odd and even. Because this set's complement within the real numbers is countable, almost all (*) real numbers are this type of number. The square root of any integer that isn't a perfect square is this type of number, as is pi, because their decimal expansions do not terminate or repeat. For ten points, name this type of number that cannot be written as a fraction.**

ANSWER: irrational number

(15) **In a work written in this language, Elissa and Lauretta listen to a story about a woman who remains faithful to her husband even after he pretends to have killed their children. A collection written in this language includes "The Patient" (*) Griselda" and "Federigo's Falcon," stories told by ten young people fleeing the plague. For ten points, name this European language that Boccaccio used to write the *Decameron*, in which young nobles tell stories in the countryside outside Florence.**

ANSWER: Italian language (accept italiano; accept lingua italiana; accept descriptions like "from Italy")

(16) **The clade metatheria contains these animals and their immediate relatives. This infraclass contains the monito del monte and the extinct thylacine, also called the Tasmanian tiger. Members of this class have a cloaca and two uteruses, although they do not form (*) placentas. This infraclass contains the cuscus, an Oceanic animal that is similar to, but not one of, this infraclass's American opossums. For ten points, name these mammals named for keeping newborn young in pouches.**

ANSWER: marsupials (accept Marsupialia; prompt on "mammals" or "animals")

(17) **In what is now this state, Alexander Arbuthnot and Robert Armbrister were executed on the orders of Andrew Jackson. In exchange for giving up claims to Spanish Texas, the United States received this territory as part of the (*) Adam-Onis treaty. The Dade Massacre occurred in this state during a war stemming from Seminole resistance to the Trail of Tears. For ten points, name this state where colonists in Saint Augustine often clashed with Native Americans.**

ANSWER: Florida

(18) **The original score for this musical work’s third movement has an often-ignored direction to repeat a scherzo and trio section. Oddly for its time, this work adds three trombones and a piccolo to its triumphant fourth movement, which begins with a (*) timpani roll and ends with twenty-nine bars of C Major chords. This symphony opens with a fortissimo “short-short-short-long” “fate knocking at the door” motif in C minor. For ten points, name this middlemost symphony by Ludwig van Beethoven.**

ANSWER: **Beethoven’s Fifth** Symphony (accept Ludwig van **Beethoven**’s Symphony Number **Five** in C minor; accept Symphony Number **Five** or **Fifth** Symphony alone after “Beethoven” is read)

(19) **A “frustrated” form of this physical phenomenon takes place when there is partial transmission of evanescent waves. At Brewster’s angle, this phenomenon does not happen to polarized light. Fiber optic cable uses the (*) “total internal” type of this phenomenon. This phenomenon occurs above the critical angle and has “diffuse” and “specular” types. For ten points, name this physical phenomenon in which light bounces off an object like a mirror.**

ANSWER: **reflection** (accept word forms like **reflecting**; accept total internal **reflection**; accept frustrated total internal **reflection**; prompt on “TIR” or “FTIR”)

(20) **One of these literary animals utters “a prayer that he sends from his heart’s deep core” in the Paul Laurence Dunbar poem “Sympathy,” which inspired a poem about one of these animals that “can seldom see through / his bars of rage.” In a poem about these animals, one “dares to claim the (*) sky,” in contrast with one who “sings of freedom” even though “his wings are clipped.” For ten points, name this kind of animal that appears in a Maya Angelou poem that says “I know why the caged [this animal] sings.”**

ANSWER: **birds** (accept **I Know Why the Caged Bird Sings**; accept the **caged bird** and/or the **free bird**; do not accept or prompt on specific species of birds)