

# Round 3

## Bee Round 3

(Tossup 1) In this short story, the arrest of Adolphe Le Bon provokes the protagonist to open an investigation, through which he learns that Camille's attacker climbed up a lightning rod to break into a house and did not have a human hand. In this short story, while investigating the deaths of Madame L'Españaye [lahs-pah-nay-uh] and her daughter, amateur detective C. Auguste Dupin [C. ow-goost doo-pan] discovers that the killer is actually an orangutan. For the point, name this Edgar Allan Poe short story about a Parisian murder.

ANSWER: The Murders in the Rue Morgue

(Tossup 2) A man considered to be born from this goddess was the half-serpent king of Athens named Erichthonius. This goddess was the mother of the Hundred-Handed Ones, as well as Hyperion and Oceanus. This wife of Uranus also bore Cronus and Rhea. The mother of the Titans was, for the point, what early Greek goddess of the Earth?

ANSWER: Gaia

(Tossup 3) This state was the site of a failed slave revolt led by Denmark Vesey. A politician from this state published an "Exposition and Protest" in response to the Tariff of Abominations; that document sparked the nullification crisis. In 1861, P.G.T. Beauregard attacked a fort in this state, setting off the American Civil War. John C. Calhoun served as a Senator from, for the point, what US state where Fort Sumter protects Charleston Harbor?

ANSWER: South Carolina

(Tossup 4) This function can be generalized to complex numbers by the magnitude function. The graph of this function has a slope of negative one when  $x$  is negative and one when  $x$  is positive. This function is equal to the square root of  $x$  squared, or the distance from  $x$  to zero. This piecewise function has a V-shaped graph, and it flips the sign on its negative inputs. For the point, name this function symbolized by two vertical bars around the input.

ANSWER: absolute value (accept modulus)

(Tossup 5) These cells are the subject of a doctrine by Santiago Ramón y Cajal [cah-hall]. The Hodgkin-Huxley model describes one function of these cells. Saltatory conduction is a way to increase the speed of action potential propagation in these cells. These cells, whose junctions are known as synapses, contain a main body with dendrites and an axon tail. For the point, name these cells of the nervous system.

ANSWER: neurons (prompt on "nerve cells" or mentions of the nervous system)

(Tossup 6) One of this type of work presents the statement of “seven plus five equals twelve” as a statement that we accept *a priori*. Three works of this type were written in the late 18th century, concerning *Judgment*, *Practical Reason*, and *Pure Reason*. For the point, give this term employed in several titles by Immanuel Kant, a Francophone version of the word “criticize.”

ANSWER: critique (accept descriptions of critiques by Immanuel Kant; accept Critique of Judgment and/or Critique of Pure Reason and/or Critique of Practical Reason; prompt on generic terms like “philosophical works” or “works by Kant”)

(Tossup 7) A play from this country focuses on the contrasting experiences of the brothers Morris and Zechariah and is titled *Blood Knot*. An author from this country wrote about a man who visits his sister Gertrude and whose son, Absalom, kills the reform-minded Arthur Jarvis in a novel about a priest from Ndotsheni named Stephen Kumalo. For the point, name this setting of Alan Paton’s *Cry, the Beloved Country* whose authors sometimes write in Afrikaans.

ANSWER: South Africa (accept Republic of South Africa or RSA)

(Tossup 8) At the opening of the American National Expedition in his home country, this man argued with the US vice president while standing in a model kitchen. During a session of the United Nations, this man reportedly banged his shoe on the table in protest of a speech. This man provided evidence of his predecessor’s “Great Purge” in his “Secret Speech.” For the point, name this leader of the Soviet Union who succeeded Joseph Stalin.

ANSWER: Nikita Khrushchev

(Tossup 9) The first one of these ideas in ancient Greece was developed by Leucippus and his student Democritus. JJ Thomson came up with one of these ideas involving “corpuscles” spread around a sea of positive charges. John Dalton’s work of this kind argued against creation or destruction, an idea disproved in the nuclear age. For the point, name this type of scientific theory, including the plum pudding model, that seek to explain the workings of the individual units of elements.

ANSWER: atomic theory (accept anything mentioning the word atom, such as atomism)

(Tossup 10) A woman in this opera sings a Seguidilla, a Castilian folk song, to seductively lull her captor into untying her hands. A popular aria from this opera compares love to a rebellious bird. This opera, in which Escamillo enters singing the Toreador Song, includes the Habanera. For the point, name this opera by Georges Bizet about a gypsy girl.

ANSWER: Carmen

(Tossup 11) This mountain range contains the Gavernie Falls and the Montcalm Massif. A kingdom based in this mountain range was led by Garcia Ramirez the Restorer; that kingdom in the western part of this range is Navarre. This mountain range stretches from the Bay of Biscay to the Mediterranean, and it contains the country of Andorra. For the point, name this range that separates France and Spain.

ANSWER: Pyrenees Mountains

(Tossup 12) Nietzsche described this literary genre as in terms of of Apollonian and Dionysian elements in a work titled for *The Birth of* this genre. The earliest Dionysia festivals awarded works in this genre, an example of which is a play about a woman who tries to bury the corpse of her brother and is killed by Creon. Euripides was a master of this genre exemplified by the play *Antigone*. For the point, name this dramatic genre often contrasted with comedy.

ANSWER: Greek tragedy (prompt on plays, theater, or drama until play is read)

(Tossup 13) In one series, this character is torn in half by the Hulk, then climbs up a mountain to recover his legs. In a recent film, this character fights off adversaries as he takes his daughter to a North Dakota town called Eden. In one origin story, this man is raised in Canada alongside his half-brother, who eventually become the villain Sabretooth. Logan is the alias of, for the point, what adamantium-clawed member of the X-Men?

ANSWER: The Wolverine (accept Logan before mentioned; accept James Howlett)

(Tossup 14) In the aftermath of the Johnstown Flood, this man paid for the town's new library, one of over a thousand to be built with his funding. Elbert Gary and J.P Morgan created the world's first billionaire corporations by merging with this man's company. This man advocated for philanthropy in his article *The Gospel of Wealth*. A New York concert hall was created by, for the point, what Scottish-American industrialist who made a fortune in the steel industry?

ANSWER: Andrew Carnegie

(Tossup 15) This is the closest object to Earth whose location was successfully pinpointed through the Titius-Bode law. Gauss developed a method of orbit prediction to locate this object in December 1801 after it was discovered earlier that year by Giuseppe Piazzi. After visiting Vesta, the *Dawn* entered orbit around this object. For the point, name this largest celestial body between Mars and Jupiter and closest dwarf planet to the Sun, the first discovered asteroid.

ANSWER: Ceres

(Tossup 16) This literary character stays with the Rivers siblings after her wedding veil is destroyed by Bertha Mason and her wedding is stopped. This character teaches at Lowood School, where she witnesses the death of Helen Burns, before she becomes a tutor at Thornfield Hall and marries Edward Rochester. For the point, name this title heroine of a novel by Charlotte Brontë.

ANSWER: Jane "Janet" Eyre Rochester (accept either underlined name; prompt on Rochester)

(Tossup 17) In 2013, this country, for the first time since its 19th century inception, celebrated King's Day instead of Queen's Day. The current ruler of this country revealed in a 2017 interview that he worked part-time as a pilot for KLM; that ruler, Europe's youngest monarch, rose to power in this country after the abdication of Beatrix. For the point, name this Northern European country currently ruled by Willem Alexander, a member of the Orange-Nassau house.

ANSWER: The Netherlands (accept Nederlands)

(Tossup 18) A work traditionally attributed to this man praises a nose like a tower, teeth like sheep, and hair like a flock of goats. This man was tested “with hard questions” by the Queen of Sheba, and allegedly composed the *Song of Songs*. This man built the First Temple in Jerusalem. For the point, name this son of David, a king known for his wisdom.

ANSWER: Solomon (accept Shlomo; accept Suleiman; accept Jedidiah)

(Tossup 19) One member of this family responded to the terrorist kidnapping of Pierre Laporte by declaring “just watch me” and invoking the War Powers Act to resolve the October Crisis. Another member of this family, the son of the aforementioned Prime Minister, defeated the Conservatives under Stephen Harper in a 2015 election. For the point, name this political family whose Pierre and Justin have served as Prime Ministers of Canada.

ANSWER: Trudeau family (accept Pierre and/or Justin Trudeau)

(Tossup 20) The uppermost portion of this region is below the D-double-prime layer, known as the Gutenberg discontinuity. One theory holds that this structure forms a dynamo that powers the geomagnetic field. Inge Lehmann proposed that this structure exists in two separate sections, one being a liquid iron-nickel layer. For the point, name this region of the Earth found below the mantle that has a solid center.

ANSWER: Earth’s core (accept outer core throughout; do not accept inner core)

(Tossup 21) This author’s protagonists include Frederic Henry, a paramedic, and Robert Jordan, an explosives expert in the Spanish Civil War. War-wounded American expatriot Jack Barnes watches bullfights in a novel inspired by this man’s experiences serving as a World War I ambulance driver. For the point, name this Lost Generation author of *The Sun Also Rises*, *For Whom the Bell Tolls*, and *A Farewell to Arms*.

ANSWER: Ernest Miller Hemingway

(Tossup 22) This artist painted a *Houses of Parliament* series using the *en plein air* [on plehn air] technique. This artist’s other outdoor studies include paintings of *Rouen Cathedral* [roo-ON Cathedral] and *Haystacks*. This artist painted a series set in Giverny that features a Japanese-style bridge, and painted an 1874 depiction of early morning at Le Havre. For the point, name this French artist of *Water Lilies* and *Impression: Sunrise*.

ANSWER: Oscar-Claude Monet

(Tossup 23) This leader encouraged dissidents to criticize him in the Hundred Flowers Movement, but later changed his mind and jailed them. In a disastrous attempt at modernization, this leader tried to turn farms into backyard furnaces in the Great Leap Forward campaign. To purge Western ideals from his country, he launched the Cultural Revolution, years after he secured power in a civil war with Chiang Kai-Shek. For the point, name this first leader of Communist China.

ANSWER: Mao Zedong

(Tossup 24) Benzene and carbon monoxide can be considered “soft” varieties of these substances, and sodium hydride is considered a “super” one. These substances can be defined as electron pair donors, as hydrogen acceptors, or as substances that produce OH-minus ions when dissolved in water, such as sodium hydroxide. Generally, these substances are bitter to taste and slippery to touch. For the point, name these substances with pH greater than 7, contrasted with acids.

ANSWER: bases (accept soft base, superbase, etc.)

(Tossup 25) In 2017, this event was marred by controversy after a trip to the Crimea prevented Yulia Samoylova from entering the host nation. This event’s current champion won with the entry of “Amar pelos dois,” resulting in the first ever win for his country. Sweden won this event in 1974 with a performance of “Waterloo” by ABBA. For the point, name this international competition that Salvador Sobral won for Portugal earlier this month, an international music competition in Europe.

ANSWER: Eurovision Song Contest

(Tossup 26) An animal in this novel is named after John Flint, who had killed six of his own men while on an expedition with Israel Hands and Ben Gunn. In this novel, Squire Trelawney hires Smollett after Billy Bones receives the Black Spot and Jim Hawkins sails aboard the *Hispaniola* with ship’s cook Long John Silver. For the point, name this novel by Robert Louis Stevenson about a search for pirate gold.

ANSWER: Treasure Island

(Tossup 27) Trials in the aftermath of this event were delayed by Governor Hutchinson due to pressure from Thomas Gage. Hugh Montgomery started this event after being knocked to the ground. This event took place on King’s Street and was partially caused due by a snowball fight. Paul Revere created an inaccurate engraving of this event that shows Crispus Attucks as a white man. For the point, name this 1770 event in which harassed British soldiers fired on a Massachusetts crowd.

ANSWER: Boston Massacre

(Tossup 28) This thinker used a metaphor of a blade of grass bending to the wind to explain a ruler’s role in society. This man believed that *ren*, or benevolence, was key to becoming a *junzi*, or “gentleman.” The philosophy named for this man advocates hierarchical order, a direct response to the chaotic Spring and Autumn period. The *Analects* are the collected teachings of, for the point, what Chinese scholar?

ANSWER: Confucius (accept Kong Qiu; accept Kongzi)

(Tossup 29) These objects are used to create systems like a threefold purchase or a double tackle. In an Atwood machine, two connected masses are held over one of these objects. At least two of these objects are needed in a conveyor belt. When immobile, these objects have a value of 1 for mechanical advantage. For the point, name this weightlifting simple machine involving a rope changing direction over a wheel.

ANSWER: pulleys

(Tossup 30) A bandleader who played this instrument hired Charlie Christian and led a famous 1938 Carnegie Hall concert during the Big Band era. Artie Shaw played this instrument, which was also played by the “King of Swing,” Benny Goodman. There are ring keys on all but the third hole of this B-flat instrument and a register key near the left thumb hole, on the back of its upper joint. For the point, name this single-reed woodwind instrument, commonly made of black wood.

ANSWER: clarinet

(Tossup 31) This city is largely segregated along different sides of Delmar Boulevard, which runs east-west north of the suburb of Clayton and Washington University. In 2014, a suburb of this city, Ferguson, experienced riots after the shooting of Michael Brown; unrest after the riots continued at this city’s Busch Stadium at Cardinals baseball games. For the point, name this midwestern city where, in 2015, activists flew a “Racism Still Lives Here” banner in front of the Gateway Arch.

ANSWER: St. Louis

(Tossup 32) This country’s troops attempted to infiltrate the “Line of Control,” beginning the Kargil War with its eastern neighbor. An attack in Rawalpindi led to the death of the first woman to lead a Muslim nation, this country’s Benazir Bhutto. This country’s independence was led by the Muslim League’s Muhammad Ali Jinnah. Bangladesh was once part of, for the point, what Middle Eastern country, a rival of its eastern neighbor, India?

ANSWER: Islamic Republic of Pakistan

(Tossup 33) Cyanobacteria contain the rarer d and f forms of these molecules, while the b form is commonly found in accessory complexes. These molecules, which include P680 and P700, all contain a ring structure with a magnesium ion in the center. These molecules strongly absorb the energy from blue and red light. For the point, name this substance that helps begin photosynthesis and is responsible for the green color of plants.

ANSWER: chlorophylls

(Tossup 34) This character meets Adolph, Susan, and Emmeline after being separated from his wife, Chloe, by Arthur Shelby. This man offers forgiveness as he is murdered by Simon Legree’s overseers, and has a vision of the angelic Little Eva St Clare, the daughter of his former master. For the point, name this man, the subject of an abolitionist Harriet Beecher Stowe novel that is named for his *Cabin*.

ANSWER: Uncle Tom (accept Uncle Tom’s Cabin after “Cabin” is read)

(Tossup 35) The *opposite* of this property is held by all known perfect numbers, but mathematicians haven’t ruled out if a perfect number could have this property. The sine function has this property, and a number  $n$  has this property if and only if it can be written as “ $2n$  plus 1” for some integer  $n$ . For the point, name this property held by numbers like 1, 3, 5, and 7, the opposite of even.

ANSWER: odd (accept odd perfect numbers, odd functions, and/or odd numbers)

## Extra Question

Only read if moderator botches a question.

(Tossup 36) This group launched Operation Ajax after Mohammad Mossadegh nationalized the oil industry in Iran. John F. Kennedy wished to “splinter [this group] into a thousand pieces” after Allen Dulles failed to unseat Fidel Castro in the Bay of Pigs invasion. For the point, name this group that attempted numerous counter-communist coups in the Cold War, the foreign intelligence service of the United States.

ANSWER: Central Intelligence Agency (or CIA)