

Academic Bee 2 - Round 2

Round 2 Tossups

(1) The direct inspiration for this work's protagonist originated from a legend written by Saxo Grammaticus in his *Gesta Danorum*. The mother of this work's title character says, "Alack, I had forgot" when that title character leaves for England. The title character of this play seeks revenge for his father, named the "Ghost" in this work, against his uncle Claudius. For the point, name this Shakespearean tragedy about a Danish prince who utters the line, "To be or not to be."

ANSWER: *The Tragedy of **Hamlet**, Prince of Denmark*

(2) The third of these wars, which began when one side attacked Numidia, ended after the successful Utica landing by a man nicknamed *Africanus*. During the second of these wars, Quintus Fabius Maximus used his namesake strategy as a response to Roman defeats at Cannae and Lake Trasimene [[TRA-zih-meem]]. For the point, name these ancient wars which ended with the defeat of the Carthaginian Empire.

ANSWER: **Punic** Wars (accept Third **Punic** War; accept Second **Punic** War)

(3) Radiation that causes this process to occur is measured by a scintillation counter. The hard and soft forms of this process, which include types like electrospray, are used to prepare samples for mass spectrometry. The energy required to remove a single electron from an atom is known as this process's "first" energy. For the point, name this process in which atoms become charged by gaining or losing electrons, becoming a cation [[KAT-eye-on]] or anion [[AN-eye-on]].

ANSWER: **ionization** (accept Chemical **ionization**)

(4) A fortune teller predicts the death of this opera's title heroine at the hands of her lover shortly after singing the aria "Écoute, écoute, compagnons" [[eh-KOOT eh-KOOT kohm-pahn-YOHN]]. Escamillo [[ess-kah-MEE-yoh]] describes his line of work during this opera's aria known as the "Toreador Song." For the point, name this French opera by George Bizet [[bee-ZEH]] about the title Roma woman who dances the "Habanera."

ANSWER: **Carmen**

(5) A Pharisee with this name invited Jesus to dine but refused to perform any forms of common hospitality like washing of the feet. A man with this name from Cyrene [[sai-REE-nee]] carried the cross after Jesus grew exhausted. While with his sibling, Andrew, a man who originally had this name was told by Jesus to sink his net into the water, miraculously catching a large bounty of fish. For the point, give this original name of Saint Peter, the first leader of the Apostolic Church.

ANSWER: **Simon** (accept **Simeon** or **Shimon** in place of **Simon**; accept **Simon** Peter; accept **Simon** of Cyrene; accept **Simon** the Pharisee; do not accept or prompt on "Peter")

(6) Deaf children from this nation spontaneously created a unique form of sign language in the 1980s. The word *mosquito* comes from an Amerindian kingdom on this modern nation's coast, which was a protectorate of the British Empire. This modern-day republic contests territory in the Gulf of Fonseca with its northern neighbor, Honduras. For the point, name this Central American nation with capital at Managua.

ANSWER: Republic of **Nicaragua** (or República de **Nicaragua**)

(7) This organ receives deoxygenated blood from the spleen via the portal vein and is the primary organ involved in gluconeogenesis. This organ uses Kupffer cells to purify blood that passes through it. This organ produces bile, which is then stored in the gallbladder. This is the only internal organ that can regenerate in vertebrates. For the point, name this largest internal organ, which is damaged by conditions such as alcoholic cirrhosis and hepatitis.

ANSWER: **Liver**

(8) This man wrote the first biography of a U.S. president after receiving Washington's private journals. With Charles Pinckney and Elbridge Gerry, this diplomat confronted French agents during the XYZ affair. This man's court broke up a monopoly in *Gibbons v. Ogden* and upheld the supremacy of the Bank of the United States in *McCulloch v. Maryland*. For the point, name this longest-serving chief justice who established judicial review in *Marbury v. Madison*.

ANSWER: John **Marshall**

(9) An essay by Mark Twain about this author notes how he "accomplishes nothing and arrives in air" and outlines 114 of his "literary offenses." The villain "Le Renard Subtil" kidnaps Cora in a novel by this author, in which Uncas is fatally stabbed by Magua. This author wrote a series of novels about the relationship between Chingachgook and a character nicknamed "Deerslayer." For the point, name this author, who wrote about Natty Bumppo in *The Last of the Mohicans*.

ANSWER: James Fenimore **Cooper**

(10) The Jacobian variety of these entities contains first order partial derivatives and is used to perform changes of variables. The Hermitian type of these entities is self-adjoint. These entities can be described by their eigenvalues and eigenvectors. Gauss-Jordan elimination can turn these entities into reduced row-echelon form. The determinant of a two-by-two example of these entities is "a times d minus b times c." For the point, name these rectangular arrays of numbers.

ANSWER: **Matrix** (accept **Matrices**)

(11) During this conflict, trench warfare was first implemented by Álvaro Obregón at the Battle of Celaya. The Ten Tragic Days occurred during this conflict, which kicked off when an officer of the *rurales* executed Francisco Madero. The fall of the Porfirio Díaz regime began this conflict, which featured factions supporting Victoriano Huerta and Venustiano Carranza. For the point, name this "Revolution" in a Spanish-speaking North American nation.

ANSWER: **Mexican** Revolution (accept **Mexican** Civil War; accept Revolución **Mexicana**)

(12) These particles are believed to decay into either an antimuon and a neutral pion or a positron and a neutral pion. These particles are composed of two up quarks and one down quark. The addition of one of these particles to water forms hydronium. The nucleus of a hydrogen atom is equivalent to one of these particles. For the point, name these positively charged particles which form the nucleus along with neutrons.

ANSWER: **Protons** (prompt on "Baryons")

(13) The winner of the story-telling contest in this work is rewarded with a free meal at the Tabard Inn. The first fragment of this work involves stories told by characters such as the Reeve and the Cook. This work is told by pilgrims telling stories of their visit to the shrine of St. Thomas à Becket. For the point, name this collection of short stories written by Geoffrey Chaucer.

ANSWER: *The **Canterbury Tales***

(14) Albert Bandura studied learned aggression in these people during his Bobo Doll experiment. Jean Piaget [[pyah-ZHEH]] explored the sensorimotor stages of this group, including when they learn object permanence. "Watch, wait and wonder" is a psychotherapeutic approach for parents to improve attachment with people in this stage of life. For the point, name this early stage of human life which includes infancy.

ANSWER: **Child**ren (accept **Kids**; accept **Baby**(s); accept **Infant**s before mentioned; accept reasonable word forms)

(15) An African woman portrays this figure in a namesake "Voyage" from Angola to the West Indies in a Thomas Stothard etching. Titian [[TIH-shun]] painted this figure reclining while a dog lays near her feet in a painting funded by the Duke of Urbino. This figure is surrounded by Zephyr, the god of wind, as she poses on a shell in a Sandro Botticelli [[boh-tih-CHEH-lee]] work which depicts her birth. For the point, name this Roman goddess of love.

ANSWER: **Venus** (do not accept or prompt on "Aphrodite")

(16) Project Ozma used a type of this device to scan for signals near the hydrogen 21-centimeter line. Thirteen of these devices are found on the summit of Mauna Kea [[KAY-uh]]. Gold-plated beryllium reflectors are used in the nearly completed "James Webb" example of these devices. Examples of these objects captured both the Deep Field images and the Kepler series of exoplanets. For the point, name this astronomical tool which may use lenses or mirrors to view distant objects.

ANSWER: **Telescopes** (accept Radio **telescope**, Space **telescope**, Reflecting **telescope**, or Refracting **telescope**)

(17) One theory about the downfall of this colony states that Francis Walsingham, spymaster of Queen Elizabeth, orchestrated it to spite its Protestant founder. The death of Chief Granganimeo [[grahn-gahn-ee-MEH-oh]] led to food shortages in this colony, which was led by John White. The word "Croatoan," which was found etched into a tree, led to suspicion that the inhabitants of this colony fled to Hatteras Island. For the point, name this ill-fated British colony sponsored by Walter Raleigh.

ANSWER: **Roanoke** Colony (accept the **Lost** Colony)

(18) One of this man's works features its protagonist, Dick Diver, degenerating into alcoholism, mirroring this man's own struggles. This man's wife, Zelda, married him after the publication of his work, *This Side of Paradise*. One of this man's works is often called the "Great American Novel," in which its title character chases after his life-long love, Daisy. For the point, name this American author of *Tender is the Night* and *The Great Gatsby*.

ANSWER: F. Scott **Fitzgerald**

(19) Hyperbolas have this property with respect to each other when they have the same eccentricity. Fractals such as coastlines exhibit the "self" type of this property, because smaller parts of the fractal resemble the whole. All circles have this property with respect to each other. Triangles with congruent angles but different side lengths have this property. For the point, name this property which exists when objects have the same shape but not necessarily the same size.

ANSWER: **Similarity**

(20) The flow of this body of water was supposedly maintained by Khnum [[kuh-NOOM]], who represented rebirth in all forms. Apophis [[ah-PAH-fis]] remained hidden by being submerged in this body of water, as related in the *Coffin Texts*. The androgynous deity Hapi [[HAH-pee]] was worshipped for the fertile soils brought by this river's annual flooding. Set placed his brother Osiris in a sarcophagus in, for the point, which sacred river of Egypt?

ANSWER: **Nile** River

(21) This writer created an unnamed hero who uses a "vorpal blade" to vanquish the title monster of a poem which uses "nonsense" words such as "chortle" and "galumphing." This author of that poem, "Jabberwocky," also wrote *The Hunting of the Snark*. This man's work *Through the Looking Glass* is a sequel to a children's story involving a young girl who falls through a rabbit hole and meets characters such as the Cheshire Cat and the Queen of Hearts. For the point, name this English author of *Alice in Wonderland*.

ANSWER: Lewis **Carroll** (accept Charles Lutwidge **Dodgson**)

(22) To counter these animals' destruction of endemic Hawaiian bird populations, Europeans introduced the mongoose, which proved ineffective as the mongooses preyed on tropical bird eggs. With flies, mosquitos and sparrows, these animals were targeted by China's Four Pests Campaign. These pests, infested with fleas, spread the disease that caused the Black Death, depopulating much of Europe in the 14th century. For the point, name these rodents, often larger and more destructive than mice.

ANSWER: **Rats**

(23) The "deep focus" type of these events occur most often in the Wadati-Benioff zone. The epicenters of these events can be located by triangulating the origins of P and S waves. Fracking is believed to increase the frequency of these events which most often occur near fault lines and have their intensity measured with the Richter Scale. For the point, name these seismic events which cause the ground to shake.

ANSWER: **Earthquakes**

(24) This company's streaming platform notably excludes the films *Make Mine Music* and *Song of the South*. This company owns controlling stakes in ESPN and Hulu. This company owns attractions such as Splash Mountain and Space Mountain, which are operated in a namesake "Land" in Anaheim and a "World" in Orlando. For the point, name this entertainment company whose mascot is Mickey Mouse.

ANSWER: The Walt **Disney** Company)

(25) Abolitionism inspired J.M.W. Turner to paint one of these objects in the background of one painting while a mass of corpses sits in the foreground. Théodore Géricault [[zheh-ree-COH]] depicted the aftermath of the destruction of one of these objects in his work, *The Raft of the Medusa*. In *The Fighting Temeraire*, Turner depicts one of these objects being towed before being turned to scrap. For the point, name these vehicles often depicted traversing rough seas.

ANSWER: **Ships** (accept **Boats**; accept **Ships** of the line; accept Transport **ships**; accept War**ships**)

(26) To temper the blacksmith god Hadúr, these creatures were sacrificed en masse by Magyar armies prior to combat. In Scottish folklore, the water-bound kelpie most often appears as one of these creatures colored black. One of these creatures helped Bellerophon [[beh-LEHR-uh-phun]] defeat the Chimera [[kye-MAIR-ah]]. The Gallic goddess of these creatures named Epona often had icons in Roman stables. Pegasus is a winged form of, for the point, which type of hooved mammal?

ANSWER: **Horses**

(27) Two sides of this body of water were connected by the Sturgeon Bay Ship Canal, largely to avoid the dangerous "Death's Door" strait. In the 19th century, a Mormon who called himself King Strang declared a theocratic monarchy on this lake's Beaver Island. The Fox River drains into an arm of this lake named Green Bay. The cities of Chicago and Milwaukee sit along, for the point, which Great Lake named for a U.S. state?

ANSWER: Lake **Michigan**

(28) The mycorrhiza [[mai-koh-RAI-zah]] system consists of a symbiotic relationship between fungi and these structures. Cytokinins [[sai-toh-KAI-nins]] are used to transmit signals between shoots and these structures. Rhizobia bacteria create nodules on these structures to fix nitrogen for the host plant. Some plants have a large central "tap" type of these structures. For the point, name these structures which absorb nutrients and water for plants and normally extend under the ground.

ANSWER: **Roots**

(29) The only named character in a play from this nation, Leonardo Felix, kills a man known as "The Groom" while at his own wedding. A character from this nation is convinced by his niece and a curate that a wizard burned down his library while he was unconscious. A character from this nation's region of La Mancha rides around with his "squire" Sancho Panza to live out his chivalric fantasies. For the point, name this home country of Miguel de Cervantes, the writer of *Don Quixote*.

ANSWER: Kingdom of **Spain** (or Reino de **España**)

(30) During this election year, Barbara Lett-Simmons acted as a faithless elector to protest D.C.'s lack of representation in Congress. Green Party candidate Ralph Nader faced claims of playing spoilers in this election year. Joe Lieberman served as the Democratic vice presidential nominee in this election year, running with Bill Clinton's former vice president. For the point, name this U.S.-election year which led to the court case *Bush v. Gore* concerning recounts in Florida.

ANSWER: **2000**

Extra Question

(1) One poem of this type describes "A world of dew, / And within every dewdrop / A world of struggle." Another of these poems describes the splash made by a frog jumping into an old pond and contains a characteristic seasonal setting and a "cutting word." Kobayashi Issa wrote many poems of this type which typically consist of a five-syllable line, a seven-syllable line, and a final five-syllable line. For the point, name this influential type of Japanese poem.

ANSWER: **Haikus** (prompt on "Works of Kobayashi Issa" and similar answers before mentioned)