

2015-16 PLATO: Perfectly Likeable Academic Tournament Offering

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Round 11

1. In this book, O'Brien gives the protagonist a book that explains the meaning of slogans like "WAR IS PEACE." This novel's protagonist, Winston Smith, is a member of The Party, the ruling faction of Oceania, and works for the Ministry of Truth, or Minitrue. For 10 points, name this George Orwell novel that popularized the concept of Big Brother, doublethink, and thoughtcrime, named after the year it takes place.

ANSWER: 1984

2. This country's Chubut province is home to the largest Welsh community outside of the British Isles. To this day, it disputes the Falklands, a group of islands in the southern Atlantic Ocean, with the United Kingdom. The Rio de la Plata separates this country from Uruguay, and it controls the eastern half of Tierra del Fuego. For 10 points, name this South American country whose capital is Buenos Aires.

ANSWER: Argentina

3. This type of radiation comes in A, B and C varieties. The C variety is present in arc flashes, which is why it is important to wear eye protection while welding. This type of electromagnetic radiation has a wavelength shorter than visible light. It helps the body produce Vitamin D when making contact with the skin in limited doses. For 10 points, identify this type of electromagnetic radiation that wave that can lead to sunburn or skin cancer.

ANSWER: ultraviolet radiation [accept UV]

4. This religious practice explains the relationship between Ein Sof and creation. A 72-letter name for God is sometimes used in this practice, which also has ten Sephirot, or emanations, that describe how the divine reveals itself in human affairs. Its practitioners believe in reincarnation called Gilgul and they are traditionally called by the Hebrew term Mekubbal. For 10 points, name this religious philosophy in Jewish tradition.

ANSWER: Kabbalah

5. A followup to this Supreme Court case said that the ruling should be carried out "with all deliberate speed." This Supreme Court case overturned the *Plessy v. Ferguson* decision. The majority opinion in this case stated that "separate educational facilities are inherently unequal." The organization that lost this case was based in Topeka, Kansas. For 10 points, name this 1954 Supreme Court case that worked to desegregate schools.

ANSWER: Brown v. Board of Education of Topeka, Kansas

6. Schubert left his eighth musical work of this type unfinished. Berlioz wrote one of these called “fantastique.” Brahms fourth work of this type had its last movement inspired by Bach. Haydn was referred to as the “Father of” this type of musical work, and they often include an exposition, recapitulation, and coda. For 10 points, name these works that Beethoven wrote nine of, including the Eroica and Pastoral.

ANSWER: **symphony**

7. The oldest one of these places east of the Mississippi River is called Acadia and is in Maine. During the 2015-16 school year, all fourth graders receive a pass to these places for free. They were created to preserve land “for the enjoyment of future generations.” The oldest one overall is Yellowstone. For 10 points, name these places managed by the federal government with beautiful landscapes, ecosystems and recreation opportunities.

ANSWER: United States **National Parks**

8. In this book, Miss Franny tells about her great-grandfather who invented Littmus Lozenges and is invited to the party thrown by the main character at the end. This book takes place in Naomi, Florida where the main character has just moved with her preacher father. In this book, Opal meets Otis at the pet store and befriends a stray dog she names after the grocery store where the dog was found. For 10 points, name this book by Kate DiCamillo.

ANSWER: **Because of Winn-Dixie**

9. Because helium has a lower value for this property than normal air, your voice sounds higher in helium. Strangely, ice has a lower value for this property than water, whereas most solids have a higher value for this property than their liquid forms. This property of matter will cause an object to float or sink compared to the water it is placed into. For 10 points, name this property of matter which is calculated by dividing mass by volume.

ANSWER: **density**

10. This presidential candidate was a law clerk for Supreme Court Chief Justice William Rehnquist. This Republican senator's presidential campaign sent out letters to Iowans concerning “voter violations” but he still won the Iowa caucuses, becoming the first Hispanic candidate to ever do so. Donald Trump questioned this man's eligibility to run for president, due to his being born in Canada. For 10 points, name this senator from Texas.

ANSWER: (Rafael) Ted **Cruz**

11. This man from Greek mythology is often credited as the father of Iapyx and Perdix. He was taken prisoner after he built a structure for King Minos. This man and his son escaped their imprisonment, but this man’s son died after flying too close to the sun. For 10 points, name the creator of the labyrinth and the father of Icarus.

ANSWER: **Daedalus**

12. This politician delivered a speech about “a little cocker spaniel dog in a crate” which his daughter named Checkers. This man was at the time running for vice president on a ticket with Eisenhower. During this man’s presidency, he faced scandal because of conversations recorded in the Oval Office that implicated him in a break-in of Democratic party offices. For 10 points, name this president who resigned over the Watergate scandal.

ANSWER: Richard M. **Nixon**

13. These devices can be made to “pulse” by a process called Q-switching. Some printers use these devices to create static electric images on a drum. Lidar is a form of radar that uses these devices to measure distances. These devices are often used in computer mice and DVD players by creating photons through stimulated emission. For 10 points, name these devices that can create an intensely focused beam of light.

ANSWER: **lasers**

14. This author wrote about Palmer LaRue, who doesn’t want to wring the necks of pigeons. One of his books follows four children who all find a library card. This author’s first novel was *Space Station Seventh Grade*. He is known for creating the characters Mars Bar Thompson and Amanda Beale, who are friends with Maniac Magee. For 10 points, name this author who wrote about Leo in the book *Stargirl*.

ANSWER: Jerry **Spinelli**

15. This man and his wife Priscilla Chen have pledged to donate much of their wealth to charity. Together with his college roommates like Dustin Moskovitz, he launched his most famous company from the bed of a Harvard dormitory. This entrepreneur’s color-blindness explains the excessive blue of the website of that social networking company which recently launched new ‘reactions.’ For 10 points, name this co-founder and CEO of Facebook.

ANSWER: Mark **Zuckerberg**

16. COMPUTATION: Jerry has a pile of potatoes that weighs 100 lbs and their weight is 99% water. Then, Jerry allows the potatoes to dry so that their weight is now 98% water. Since the non-water part did not change, for 10 points, how much does Jerry’s pile of potatoes weigh after he dries it?

ANSWER: **50** pounds [We know the non-water part weighs 1 pound. So, since 1 pound must be 2% of the drier weight, that means the total drier weight must be 50 pounds.]

17. On this continent, Mansa Musa founded the University of Sankore. Musa lived in the western part of this continent in its Mali Empire, traveled across it on a hajj and nearly collapsed the economy of Cairo. For 10 points, name this continent where Musa ruled from Timbuktu and traveled through Egypt.

ANSWER: **Africa**

18. Near the beginning of this book, the main character says she would like to change her name to Zeze the X. That main character of this book is friends with Lucy and Rachel Guerrero. In this book, Sally ditches the main character at a fair which leads a man to assault the main character, whose name is Esperanza Cordero. For 10 points, name this book about a girl growing up on a particular street in Chicago.

ANSWER: *The House on Mango Street*

19. This country includes the largest city north of the Arctic Circle, Murmansk. The Kamchatka peninsula is a volcanically active area on the eastern shores of this country. The Volga River flows through this country. The Ural Mountains in this country are a rough dividing line between Europe and Asia. A major port in this country is St. Petersburg. For 10 points, name this country, the largest in the world, with capital at Moscow.

ANSWER: **Russia**

20. This athlete was the first pick in the 1998 NFL Draft, after a successful college career at the University of Tennessee. He missed the 2011 season due to multiple surgeries, after which he was hired by a team coached by John Fox. He won five NFL MVP awards for his play with the Colts and, most recently, the Broncos. For 10 points, name this recently retired quarterback whose brother Eli is still playing for the Giants.

ANSWER: **Peyton Manning** [prompt on **Manning**]

TB. On a circuit diagram, this component's symbol is a zig-zag line. In a series circuit containing more than one of these components, their values can simply be added up. These circuit components obey Ohm's law and they limit the flow of electricity in circuits. For 10 points, name these circuit components, a common example of which is a lightbulb filament.

ANSWER: **resistors**

BONUSES

1. Mosquitoes are pesky insects, but they can also carry disease. For 10 points each:

[10] This mosquito-borne disease is usually treated with quinine, and is literally translated as “bad air.”

ANSWER: **malaria**

[10] An outbreak of this other disease, transmitted by the same species of mosquitoes, has recently led to several governments in South America urging against pregnancies.

ANSWER: **Zika** virus

[10] Malaria and Zika virus are transmitted by the *Anopheles* species of mosquitoes, which makes it this type of organism that transmits disease from reservoirs to hosts.

ANSWER: **vector**

2. For 10 points each, identify the following sacred texts from world religions:

[10] This Muslim holy book is divided into 114 suras which were written by the Prophet Muhammad.

ANSWER: the **Quran**

[10] This collection of five books sacred in Judaism tells the story of the creation of the Earth and the founding of the nation of Israel.

ANSWER: **Torah** [accept the **Pentateuch**]

[10] A part of the Mahabharata [*ma-ha-ba-ra-ta*], this 700 verse Hindu scripture tells of a conversation between Prince Arjuna and Lord Krishna.

ANSWER: Bhagavad **Gita** [*bog-a-vod gee-ta*]

3. Name some recent Speakers of the House, for 10 points each:

[10] This Republican from Ohio served as the Speaker of the House from 2011 to 2015. He resigned, giving his position to Paul Ryan.

ANSWER: John **Boehner**

[10] This conservative Republican served as Speaker during the Clinton administration. He co-wrote the “Contract With America” with Richard Armey.

ANSWER: Newt **Gingrich**

[10] This Democrat from California has been the only woman so far to have been Speaker of the House.

ANSWER: Nancy **Pelosi**

4. The author Robert Louis Stevenson created some iconic characters. Name some of them, for 10 points each.

[10] This character from *Treasure Island* is hired as the ship's cook but plans a pirate mutiny of the ship, surprising Jim Hawkins.

ANSWER: **Long John Silver**

[10] *Kidnapped* focuses on the story of this Scottish teenager who becomes friends with Alan Breck after being, well, kidnapped.

ANSWER: **David Balfour** [accept either underlined name]

[10] This character from one of Stevenson's books is a sociopath who murders Sir Danvers Carew in a rage. This character's alter ego is Dr. Henry Jekyll.

ANSWER: Mr. Edward **Hyde** [accept **Jekyll** if you are interrupted before reading it]

5. COMPUTATION: Quinn is building a house and is working building part of the triangular roof frame. For 10 points each:

[10] The frame is shaped like an isosceles triangle and the peak will have a 110 degree angle. What will be the size of either one of the other two angles?

ANSWER: **35** degrees

[10] Quinn sketches the frame at 1/12th scale on a sheet of paper with one of the side lengths being 15 inches. How long will that side be when Quinn builds the real thing?

ANSWER: **15 feet** [or **180 inches**]

[10] Quinn calculates he will need to buy 25 feet of wood for the base of the triangular frame. If each foot of wood costs \$2.00, how much will Quinn pay to build the perimeter of the frame?

ANSWER: **\$110.00**

6. For 10 points each, name these regions or cities that are famous for their iconic foods.

[10] This variety of onions are unusually sweet, and they became Georgia's official state vegetable in 1990.

ANSWER: **Vidalia** onions

[10] This region in France produces a bubbly wine that is commonly used during celebrations.

ANSWER: **Champagne**

[10] Many of the potatoes in the United States are certified as being from this state. That certification comes from this state's Potato Commission.

ANSWER: **Idaho**

7. In this programming language, there are public, private, and protected variables. For 10 points each:

[10] Name this programming language created by Sun Microsystems with the slogan, "write once, run anywhere."

ANSWER: **Java**

[10] Java is this type of a programming language that often sorts its title things into classes.

ANSWER: **object-oriented** language

[10] Like Java, this much simpler programming language is also object-oriented. This language's name came from a British comedy group.

ANSWER: **Python**

8. This musical follows the birth of the United States from the perspective of an immigrant who played a key role in the formation of the government. For 10 points each:

[10] Name this award-winning musical that follows the life of America's first Secretary of the Treasury and founder of the National Bank.

ANSWER: **Hamilton** [do not accept "Alexander Hamilton"]

[10] This man wrote the music, lyrics, and book of the musical, and in the original run of the show, played Alexander Hamilton as well.

ANSWER: Lin-Manuel **Miranda**

[10] In the musical, this wife of Alexander Hamilton has a solo during the finale explaining how she continued the Hamilton legacy after his untimely death.

ANSWER: **Eliza** Schuyler Hamilton

9. This play begins with the King of Thebes attempting to find a cure for the plague that has befallen his people. For 10 points each:

[10] Name this play about a king who ends up killing his father and falling in love with his mother.

ANSWER: **Oedipus Rex** [accept **Oedipus the King**]

[10] *Oedipus Rex* was written by this Greek playwright. His stories generally revolved around Oedipus and his relatives such as his daughter, Antigone.

ANSWER: **Sophocles**

[10] Most of Sophocles' surviving plays revolve around this Greek city-state, a rival of Athens which was founded by Cadmus.

ANSWER: **Thebes**

10. The office of the pope has been important in history as well as religion. For ten points each:

[10] Pope Gregory XIII's version of this replaced the 'Julian' one. These things are a means to reckon time, especially to figure out what day it is.

Answer: **calendar**

[10] No pope had resigned for nearly 600 years when this pope resigned in 2013. He was the sixteenth pope of his name which means "blessed."

ANSWER: Pope **Benedict** XVI

[10] This pope, who served during World War II, has been called "Hitler's Pope" for not doing enough to stop the Holocaust.

Answer: Pope **Pius XII** [prompt on Pope **Pius**]

11. In this painting by Raphael, Aristotle is seen holding a copy of one of his books, *The Nicomachean Ethics*. For 10 points each:

[10] Name this painting depicting several philosophers and mathematicians.

ANSWER: *The **School of Athens***

[10] In the center of the painting, Aristotle is seen talking to this other philosopher, his teacher.

ANSWER: **Plato**

[10] The painting is this kind of artwork, a mural painted directly onto wet plaster. This term comes from the Italian word for "fresh."

ANSWER: **fresco**

12. For 10 points each, answer these questions about prominent terrorist groups.

[10] This group, led by Abu Bakr al-Baghdadi, was responsible for the attacks in November 2015 on Paris that killed 130 people.

ANSWER: **ISIS** [accept **ISIL**, **Islamic State**, **Da'esh** or other equivalents]

[10] This group, which pledged allegiance to ISIS, kidnapped over 200 girls in 2014 in Nigeria. Their name means "Western education is a sin."

ANSWER: **Boko Haram**

[10] The Tamil Tigers, who killed Indian Prime Minister Rajiv Gandhi in 1991, were based in this island located off the southeast coast of India.

ANSWER: **Sri Lanka**

13. For 10 points each, answer these questions about clouds.

[10] Because clouds are made of small liquid droplets suspended in a gas, they are one of these types of mixtures, most often associated with spray cans.

ANSWER: **aerosols** [accept **suspensions** or **colloids**]

[10] Almost all clouds on Earth are in this layer of the atmosphere where weather happens.

ANSWER: **troposphere**

[10] Wispy clouds occurring high in the troposphere are given this name, the Latin word for fiber.

ANSWER: **cirrus**

14. A comic retelling of the story of King Arthur by Monty Python is legendary. For 10 points each, answer these questions about more serious interpretations.

[10] This American author wrote a story of Hank Morgan's time traveling to Arthurian times, *A Connecticut Yankee in King Arthur's Court*.

ANSWER: Mark **Twain**

[10] *The Idylls of the King* is the Arthur tales as told by this British poet who wrote *The Charge of the Light Brigade*.

ANSWER: Alfred, Lord **Tennyson**

[10] In this book by Meg Cabot, Ellie Harrison realizes that her school is straight out of the King Arthur legends.

ANSWER: **Avalon High**

15. This Chinese dynasty fought a war with the Goguryeo dynasty of Korea, which ended the Three Kingdoms period. For 10 points each:

[10] Name this dynasty that ruled China from 618 to 907 CE.

ANSWER: **Tang** dynasty

[10] Famous Tang poet Li Bai was born in a town along this trading route from China to the Mediterranean. A particular Chinese fabric gave this trading route its name.

ANSWER: **Silk Road**

[10] This structure was fortified by many Chinese dynasties to help ensure the safety of goods traveling along the Silk Road.

ANSWER: **Great Wall** of China

16. The answers to the following questions might be found on your TV's remote control. For 10 points each:

[10] This is a device inserted into the bell of a brass instrument to change its volume or timbre.

ANSWER: **mute**

[10] This quantity in physics is measured in watts and is the rate at which work is done. In other words, this is work over time.

ANSWER: **power**

[10] In economics, this is a measurement of how much of a good would be purchased at any particular price.

ANSWER: **demand**

17. Dogs are very interesting creatures, scientifically speaking. For 10 points each:

[10] In order to protect hunting dogs, the process of docking is used to cut off or shorten this body part of the dog.

ANSWER: **tail**

[10] Dogs can be easily poisoned by the chemical theobromide, often found in this product made from cacao beans.

ANSWER: **chocolate**

[10] Dogs have an extra digit with this name on the inside of their legs, positioned similarly to a human thumb on the hand.

ANSWER: **dewclaw**

18. Various organizations have created a modern version of of the Seven Wonders of the Ancient World. For 10 points each, name these New Wonders.

[10] This ancient city was carved out of a Jordanian mountain side. It wasn't discovered by modern society until 1812.

ANSWER: **Petra**

[10] This Brazilian soapstone statue is an iconic depiction of Jesus that was completed in 1931 and stands over 98 feet tall.

ANSWER: **Christ the Redeemer**

[10] Meaning "Crown of Palaces", this mausoleum in India was built by Emperor Shah Jahan for his wife, Mumtaz.

ANSWER: **Taj Mahal**

19. The Renaissance is famous for, among other things, a blossoming of literature. For 10 points each:

[10] In the 16th century, Niccolo Machiavelli wrote a book with this title which describes how, sometimes, the ends justify the means. It is named after a royal title.

ANSWER: **The Prince**

[10] This German is usually credited with the invention of the printing press in the mid-15th century.

ANSWER: Johannes **Gutenberg**

[10] One of Gutenberg's most famous books that he printed was the Vulgate version of this book, written in Latin and made official by the Catholic Church.

ANSWER: the **Bible**

20. This state is home to the Malheur National Wildlife Refuge. For 10 points each:

[10] Name this western state, where that refuge was occupied by armed protesters from January 2 to February 11 of 2016.

ANSWER: **Oregon**

[10] This is the last name of the man who led the protesters. His first name is Ammon, and his father Cliven had also been in the news for an armed standoff with federal agents.

ANSWER: **Bundy** [accept Ammon **Bundy** or Cliven **Bundy**]

[10] The protesters claimed to be there supporting the Hammonds, who had been convicted of this crime on federal land. This crime is the intentional and malicious setting of a fire.

ANSWER: **arson**