

FORT OSAGE NOVICE SET (FONS) II

Questions edited by Joshua Malecki. Questions written by: Brady Orwick, Douglas McIntosh, Joseph Seaba, Josh Merithew, Austin White, Dexter Wickham, Maya Baughn, Zachary Beltz, Alexandria Hill, Lewis Chastain, Camryn Huntsucker, Rafael Chinnery, Ian Gunter, Aleesa Hill, Trenton Kiesling, and Joshua Malecki.

Round 7

1. This concept was first introduced by Soren Sorenson in 1909, because of his work with hydrogen ions. This concept is also used in classifying soil ranges and seawater, which is normally ranged between a 7.5 and 8.4.* This concept can theoretically have a negative value, but most products fit within the typical 14 point scale. This concept is logarithmic so a change in one number indicates a tenfold difference in hydrogen ion concentration in water. For 10 points, name this numeric scale that classifies objects based on their acidity and basisty {BAY-SIS-I-TEE} on a 1-14 scale.

pH Scale (accept "**Power of Hydrogen**" which Sorenson's laboratory claims is the true meaning)

2. This novel opens at the CENTRAL LONDON HATCHERY AND CONDITIONING CENTRE in the Fertilization Room where the Director is giving a guided tour. One character in this novel works at the Hatchery while another was raised outside the World State on a "Reservation"* in New Mexico. This novel is set in the year 632 A.F. (After Ford), where Mustapha Mond serves as the Resident World Controller for Western Europe. For 10 points, name this novel, in which John the Savage unsuccessfully attempts to find love with the free-spirited Lenina Crowne, by Aldous Huxley.

Brave New World

3. This iconic animal was born at the Gladys Porter Zoo in Brownsville, Texas, where he lived until 2014. This animal's name came from the title of a Rita Marley song which means "communal labor" in Swahili. This animal was transferred to the Gorilla World* habitat where he lived until a May, 2016 incident. This animal's death prompted criticism of zoo officials and extensive online "shaming" of the child's mother, as well as a string of inappropriate memes. For 10 points, name this gorilla in the Cincinnati Zoo who was shot and killed by zoo officials to save the life a 3 year old child who had entered his enclosure.

Harambe (buzzers lit for Harambe!)

4. One of these communities was created as a result of the 1790 Assumption Bill, while another was created due to overcrowding in its coastal predecessor. One of these communities was created due to competition between its two largest cities, while another of these built the massive Lake Paranoa* next to it to provide a stable water source. For 10 points, name these types of communities, examples of which include Washington D.C., Abuja, Canberra and Brasilia, designed to limit issues over the location of national governance and occasionally provide an economic boost to a nation's economy.

Planned Capital Cities (accept "**new national capitals**")

5. A 1969 manifesto by Native American historian Vine DeLoria claimed that *this man* “Died For Your Sins.” This man received over 700 demerits at West Point, but graduated last in his class, largely due to the onset of the Civil War.* This man first became a household name for his attack on the Southern Cheyenne at the Washita {WAH-SHEE-TAH} River in 1868, despite having been suspended for being AWOL part of that year. For 10 points, name this controversial U.S. general, who attacked a superior Native American force led by Crazy Horse and Sitting Bull and died in his namesake “Last Stand” in 1876.

General George Armstrong Custer

6. An early work by *this* artist depicted the Civil War naval battle of Cherbourg between the CSS *Alabama* and USS *Kearsarge*, which may have been personally witnessed by the artist. *This* artist depicted the execution of Emperor Maximilian in three separate landscapes, all of which were banned by the French government. *This* artist depicted his favorite model, Victorine Meurent {MERR-AWNT} in the nude* in his *The Luncheon on the Grass*, where she sits on a blanket with a clothed man, while another stands in the background. For 10 points, name this French Impressionist, who also painted *The Railway* and *Olympia*.

Edouard Manet

7. Stephen Vincent Benet wrote a short story *in this* literary genre after the 1937 bombing of Guernica called “By the Waters of Babylon.” Ray Bradbury included a short story about a house that continues working long after its human inhabitants have died* that is part of *this* literary genre entitled “There Will Come Soft Rains.” Margaret Atwood’s *The Handmaid’s Tale* is a novel in this literary genre, along with Cormac McCarthy’s *The Road*. For 10 points, name this literary genre, which includes Suzanne Collins’ *Hunger Games* trilogy, characterized by a dehumanizing society after a cataclysmic event.

Dystopian novel (accept “Post-apocalyptic” or “apocalyptic”)

8. This geometric shape was the standard style of window in buildings within the Incan Empire. The “right” version of this geometric shape can be solved using the “crossed ladders problem,” because it determines the distance between the parallel sides.* Those “right” versions of this shape are used in its namesake “rule” for estimating areas under a curve. An “obtuse” version of one of these shapes has 2 pairs of parallel sides and is known as a parallelogram. For 10 points, name this convex quadrilateral, whose parallel sides are referred to as “bases” and other 2 sides, as “legs.”

Trapezoid

9. This company began in 2002, after its founder was denied the right to buy refurbished ICBM's from Russia. This company builds its rockets using vertical integration, with over 85% of work being done in-house. In 2008, this company's Falcon 1* was the first privately funded rocket to reach orbit, and in 2012, it successfully sent its Dragon spacecraft to the International Space Station. This company's founder has openly expressed his desire to colonize Mars, but watched its Falcon 9 spacecraft explode on the tarmac at Kennedy Space Center in 2016. For 10 points, name this company founded by Elon Musk.

SpaceX (accept "**Space Exploration and Technologies Corporation**" its full name)

10. This city is nicknamed the "City with a Hundred Spires," and its historic city center is a UNESCO World Heritage Site. This city's Vltava {VOL-TAH-VA} River is crossed by the pedestrian-only Charles Bridge, which connects this city's Old Town and historic namesake "Castle."* This city is the historic heart of Bohemia, and was the flashpoint of a namesake "Spring" in 1968 that was brutally suppressed by Soviet forces. For 10 points, name this historic Eastern European city which, after a split with its eastern neighbor of Slovakia, remained the capital of the Czech Republic.

Prague

11. Two passages in Leviticus mandate *this* religious holiday and describe it as a day of rest for all members of its faith. It is tradition that on this holiday its adherents wear white, and they are expected to fast and abstain from bathing. During one of the five prayers* undertaken on this holiday, the entire Book of Jonah is read, to show God's willingness to forgive. This holiday ends with the reading of the *Shema Yisrael* {SHAY-MAH YIS-RAY-EL} and the blowing of the ram's horn of *Shofar*. For 10 points, name this Jewish holiday also known as the Day of Atonement.

Yom Kippur

12. Fighting in *this* nation erupted anew in July, 2016 over an election dispute between President Salva Kiir {KEE-EAR} and Vice-President Riek Machar {REEK-MA-SHAR}. Machar eventually fled this nation, along with nearly 1 million refugees, as fighting spread to Juba,* this African nation's capital. In April 2016, hundreds of civilians were massacred in *this* nation's town of Bentiu, and five of this nation's athletes competed on the Rio Olympics' first-ever Refugee Team in August, 2016. For 10 points, name this war-torn African nation, the newest in the world, which gained its independence in 2011.

Republic of South Sudan (DO NOT accept or prompt on "Sudan")

13. Debate continues over whether this ship was hit by one or two torpedoes, because survivors reported multiple explosions. In a Diana Preston novel about this vessel, she claims that spies from the nation that sunk this ship were traveling the docks of New York City looking for information about its cargo before it sailed.* The British reported that this ship was not transporting munitions when it was sunk, while Germany claimed that it was the cause of the second explosion. For 10 points, name this vessel, sunk by a German U-boat while traveling from New York to Liverpool, often incorrectly cited as the reason America joined the Allies in World War I.

RMS Lusitania

14. An early proto-science fiction story from *this country* focuses on a princess from the Moon who comes to Earth, and is later taken back to her family on a flying saucer. Other novels from this country include ones entitled *Snow Country and *The Wind-Up Bird Chronicle*. What is considered to be the world's first novel was written by an author from *this country*. That novel has thousands of characters, and is called *The Tale of Genji*. For 10 points, name this country, home of authors, Lady Murasaki Shikibu, Yasunari Kawabata, and Kenzaburo Oe {OY}.**

Japan

15. When this bridge was built, it was intended to be a permanent stone structure across the tidal river that separated its namesake city. This bridge was completely assymetrical, and its piers consisted of driving piles of elm trees into the riverbed.* This bridge had a chapel dedicated to Thomas a' Becket located on its 9th pier and the Nonesuch House was a prefabricated house built along its center in 1579. For 10 points, name this famous bridge, which prevented a 1666 fire from spreading across the Thames River, that was torn down in 1831 to make way for a newer, wider version.

Old London Bridge (DO NOT prompt or accept "Tower Bridge," as it is downriver)

16. This body of water is the primary outflow of the Ob and Yenisei {YEN-I-SAY} Rivers, which is why its higher portions have a lower salinity and lower temperature. This body of water's southern portion is the Chukchi Sea,* and its island of Novaya Zemlya {ZEM-EE-LAH} is located just north of Siberia. This body of water was the site of multiple naval expeditions in order to find a "Northwest Passage," but the gradual warming of temperatures should eliminate large amounts of ice in this body of water. For 10 points, name this body of water, the smallest of the world's four oceans.

Arctic Ocean

17. Terrestrial versions of *this* include lightning and St. Elmo's Fire, which was commonly observed by sailors. *This* entity can be created by heating a gas or subjecting it to a strong magnetic field, which changes the amount of electrons, thus creating ions.* Much of the understanding of *this* entity came from work with nuclear fusion, which has created a namesake type of "physics." The most common form of this entity found on Earth is produced in neon signs, but it can be created artificially in an arc welder. For 10 points, name this entity, the most common state of matter in the universe.

Plasma

18. Recent study of *this* document indicates that handwriting on it was likely altered in the early 20th century. The Committee of Five was commissioned to write *this* document, and the longest portion of *this* document contains the personal pronoun "he," referring to the sitting British king.* Editing of this document eliminated a fourth of it, and removed references to the British having forced "slavery" on the Thirteen Colonies. For 10 points, name this document, which was not actually signed by all 56 delegates until August 2, largely written by Thomas Jefferson and officially approved on July 4, 1776.

Declaration of Independence

19. A statue of this Greek god in Kadriorg {KAHD-REE-ORG} Palace in Estonia shows him with his foot on a fish while carrying his favorite weapon. He was chief of the polis {POE-LISS} in Corinth, but second to Athena in importance in Athens.* After losing a contest for Athens, he flooded the plains of Attica as revenge. This god was known as “Earth-Shaker” by sailors because it was believed that he caused earthquakes in the sea. For 10 points, name this Greek god, who was given dominion of the sea by his father Zeus, known for carrying a trident.

Poseidon (DO NOT prompt or accept “Neptune”)

20. In one novel by this author, she describes how the namesake carpenter falls in love with Hetty Sorel but ends up marrying the Methodist preacher Dinah Morris. This author of *Adam Bede* described the tragic twins* Tom and Maggie Tulliver, who die in a flood at the conclusion of her novel *The Mill on the Floss*, and the love triangle between Edward Casaubon, Will Ladislaw and Dorothea Brooke in her “Study Of Provincial Life,” *Middlemarch*. For 10 points, name this controversial English author, who described a namesake “Weaver of Raveloe,” *Silas Marner*.

George Eliot (accept “Mary Ann Evans”)

21. During the development of *this experiment*, its creator coined the term “entanglement.” This experiment sought to disprove a popular idea largely pioneered by Niels Bohr and Werner Heisenberg that states that until they’re measured, physical systems have no definite properties, a feature known as wavefunction collapse.* This experiment attempts to disprove that interpretation by imagining a steel chamber set up with a radioactive substance, hydrocyanic acid, a hammer, and a Geiger counter. For 10 points, name this thought experiment in which, according to quantum law, the title animal is both alive and dead inside of the chamber.

Schrödinger’s Cat

BONUSES

1. In an early scene in this novel, Jonas learns that he will be trained to be the new Receiver of Memory. For 10 points each...

(10) Name this 1994 novel in which Jonas learns about the true nature of his Community from the title individual.

ANSWER: **The Giver**

(10) *The Giver* ends ambiguously with Jonas exiling himself from the Community with *this individual*, who was in danger of being “released.”

ANSWER: **A baby** (accept “**Gabriel**” the baby’s name; accept “**an infant**”)

(10) *The Giver* won *this* award for “Most Distinguished Contribution to American literature for Children” in 1994.

ANSWER: **John Newbery Award** (accept “**Newbery Medal**”)

2. One contemporary writer described this group as “a reign in blood...they held communities terror bound, and wantonly defied the law.” For 10 points each...

(10) Name this group, largely made up of Irish-Catholic coal miners, who were accused of various crimes in Pennsylvania in the 1860’s and 1870’s, and supposedly took their name from a martyred Irish woman.

ANSWER: **The Molly Maguires**

(10) The “Mollies” became the target of *this* detective agency, which was founded shortly before the Civil War, with the motto of “We Never Sleep.”

ANSWER: **Pinkerton Detective Agency** (accept “**Pinkertons**”)

(10) The Pinkerton Detective Agency was criticized for its actions in *this* 1892 incident outside of Pittsburgh, when its detectives fought a battle with striking steel workers, which resulted in 12 deaths.

ANSWER: **Homestead Strike**

3. A massive footprint of one of these creatures was discovered in the Gobi Desert in October, 2016. For 10 points each...

(10) Name this pack-hunting dinosaur with a sickle-shaped claw and long tail, prominently featured in the *Jurassic Park* movie series.

ANSWER: **Velociraptors** (accept “**raptors**”)

(10) Velociraptors are thought to have lived in the latter part of *this* geological period between the Jurassic and Paleogene periods, and characterized by numerous shallow inland seas.

ANSWER: **Cretaceous period**

(10) A 2007 excavation of a velociraptor in Mongolia confirmed that its outer skin was likely covered in *this* epidermal growth.

ANSWER: **Feathers**

4. This river forms a portion of the border between Washington and Oregon. For 10 points each...

(10) Name this river that begins in British Columbia before flowing past Portland, Oregon into the Pacific Ocean.

ANSWER: **Columbia River**

(10) *This* tributary river flows into the Columbia at the Tri-Cities region, in southern Washington. Further east, this river forms the Hells Canyon region along the Idaho-Oregon border.

ANSWER: **Snake River**

(10) The Snake River forms at the confluence of three small streams that originate in *this* national park located in western Wyoming.

ANSWER: **Yellowstone National Park**

5. *This* wrestler is the host of the show "American Grit" on Fox. For 10 points each...

(10) Name *this* WWE wrestler whose famous taunt, "You can't see me!," is also the name of his debut rap album.

ANSWER: **John Cena**

(10) John Cena holds the record for granting the most requests of children through *this* non-profit organization, created to help fulfill the dreams of children from ages 3-17 with life-threatening illnesses.

ANSWER: **Make-A-Wish Foundation**

(10) In 2016, John Cena hosted the 24th iteration of *this* awards show on ABC, at which athletes Breanna Stewart and Jake Arrieta received awards.

ANSWER: **Excellence in Sports Performance Yearly (ESPY's) Awards**

6. This Egyptian god's symbol was his namesake "eye," which had formerly been the "eye of Wadjet." For 10 points each...

(10) Name this falcon-headed god, who was reconstructed from the dismembered body parts of his father Osiris by his mother Isis after they were thrown into the Nile River.

ANSWER: **Horus**

(10) This crocodile-headed god was the son of Set, and had the responsibility of protecting travelers on the Nile.

ANSWER: **Sobek**

(10) This blue-skinned Egyptian god governed the annual flooding of the Nile, which determined the planting season.

ANSWER: **Hapi** {HAH-PEE}

7. The Cartesian coordinate system places all points into a set of perpendicular lines that continue into infinite space. For 10 points each...

(10) Give the name for these 4 sections, into which all positive and negative points are placed.

ANSWER: **Quadrants**

(10) A point located at (-3, 2) would be located in *this* quadrant.

ANSWER: **Quadrant II (2)**

(10) This three-word mnemonic is used to define positive orientation in the Cartesian plane.

ANSWER: **"Right-hand rule"**

8. Name *these* terms relating to music theory. For 10 points each...

(10) *This* term refers to the distance between two notes. They're typically written as ordinal numbers, but also include unisons and octaves.

ANSWER: **Intervals**

(10) *This* term refers to the speed at which music is played. It can be marked by beats per minute, or be given a name like *andante* or *allegro*.

ANSWER: **Tempo**

(10) *This* tempo marking is the Italian word for "slowly." It also names a famous Samuel Barber composition "*for Strings*."

ANSWER: **Adagio**

9. This city is often referred to as Syria's "second city." For 10 points each...

(10) Name this city, one of the oldest continuously inhabited cities in the world, that was under constant siege from 2012 until 2016.

ANSWER: **Aleppo**

(10) Aleppo's western regions were controlled by Syrian government forces, which has been aided by *this* European nation, which controversially intervened in 2015 in the Syrian Civil War.

ANSWER: **Russian Federation**

(10) *This* head of the Syrian government was accused of human rights violations during the conflict, especially the use of barrel bombs in Aleppo.

ANSWER: **Bashar Assad**

10. This event took place on a hill where the Church of the Holy Sepulchre {SEP-OL-KER} now sits. For 10 points each...

(10) Name this event, in which the namesake prophet was executed by the Romans on the Hill of Golgotha.

ANSWER: **Crucifixion of Jesus Christ** (accept equivalents like "**death of Jesus**")

(10) This man, thought to have been a North African Jew, was forced to carry the cross for Jesus.

ANSWER: **Simon of Cyrene** (DO NOT accept "Simon Peter;" Cyrene was a term for the area that is now eastern Libya)

(10) After Jesus' death, according to tradition, *this* man, with the aid of Nicodemus, buried Jesus in the Garden Tomb.

ANSWER: **Joseph of Arimathea** (prompt on partial answer)

11. The National Park Service has acknowledged that this man's adopted son likely fathered children with at least two of his slaves. For 10 points each...

(10) Name this man, who adopted his wife's grandchildren Parke Custis and Nellie, after their father died serving under him at the Battle of Yorktown.

ANSWER: **George Washington**

(10) Custis later built his own plantation near Mount Vernon in Alexandria, Virginia that is now the namesake of *this* largest military cemetery in the United States.

ANSWER: **Arlington National Cemetery** (accept "**Arlington House**")

(10) The Cemetery was established during the Civil War while this man, Custis' son-in-law, was serving as the Commanding General of the Confederate Army.

ANSWER: **General Robert E. Lee**

12. The author of this novel was inspired by the 1938 trial of the “brick-bat killer,” Robert Nixon. For 10 points each...

(10) Name this novel about the African-American teenager Bigger Thomas, who kills 2 women before being arrested and sentenced to death.

ANSWER: **Native Son**

(10) This African-American author wrote *Native Son*, as well as the semi-autobiographical *Black Boy*.

ANSWER: **Richard Wright**

(10) *Native Son* is set in this city’s “South Side” which was a major destination of African-Americans moving north during the “Great Migration.”

ANSWER: **Chicago**

13. These organic compounds were introduced in the 1980’s to replace another dangerous compound. For 10 points each...

(10) Name these compounds, used in air conditioning and refrigeration, that were introduced as a replacement for CFC’s.

ANSWER: **HFC’s (Hydrofluorocarbons)**

(10) CFC’s contributed to the diminishment of *this* layer in the Earth’s atmosphere that protects us from ultraviolet rays.

ANSWER: **Ozone layer**

(10) This neighboring planet to Earth also has a small ozone layer among its dense atmosphere that gives it a permanent “greenhouse effect.”

ANSWER: **Venus**

14. An estate located on an island in *this* body of water went up for sale at \$175 million in September, 2016. For 10 points each...

(10) Name this body of water, a tidal estuary that lies between Connecticut and its namesake New York landform.

ANSWER: **Long Island Sound**

(10) The western end of Long Island Sound is *this* river, which separates Long Island from Manhattan Island.

ANSWER: **East River**

(10) *This* eastern region of Long Island, where an estate in 2014 sold for \$147 million, is a popular summer destination for America’s wealthy.

ANSWER: **The Hamptons** (accept “**Southampton**” or “**East Hampton**”)

15. This artist sold his first painting at the 1913 Armory Show for \$250 dollars. For 10 points each...

(10) Name this American Realist, whose landscape paintings include *Early Sunday Morning*, *Gas*, and the aforementioned *Sailing*.

ANSWER: **Edward Hopper**

(10) One of Hopper’s most famous paintings is this landscape, showing 2 men and a woman sitting in a secluded diner at night, supposedly inspired by a Greenwich Village location frequented by the artist.

ANSWER: **Nighthawks**

(10) Early in his career, Hopper used *this* medium, paintings of which are often kept in storage by museums due to the propensity for light damage and fading.

ANSWER: **Watercolors**

16. College campuses have long been incubators for popular protests. For 10 points each...

(10) This Ohio university was the site of a 1970 protest, in which four students were killed by National Guard troops while protesting the U.S. Army's invasion of Cambodia.

ANSWER: **Kent State University**

(10) Just 11 days after the Kent State shootings, 2 students were killed at Jackson State University in *this* Southern state after a false rumor spread that prominent African-American politician Charles Evers had been killed.

ANSWER: **Mississippi**

(10) Racial issues on *this* university's campus in Columbia led to protests in 2015 by a group called "Concerned Student 1950" and the removal of a professor who had asked protesting students for some "muscle" to remove a student journalist.

ANSWER: **University of Missouri** (accept "**MU**" or "**Mizzou**")

17. The protagonist of this novel refuses a job in Paris because he says that all jobs are the same. For 10 points each...

(10) Name this novel about Meursault {MEER-SOH}, who shows no emotion at his mother's funeral and later murders an Arab man on a beach.

ANSWER: **The Stranger** (accept "**L'Etranger**")

(10) *The Stranger* was written by this French-Algerian author of *The Fall* and *The Myth of Sisyphus*.

ANSWER: **Albert Camus**

(10) *This* other existentialist novel by Camus is set in Oran, Algeria during the title outbreak, as various characters, like Dr. Rieux {RAY-OO}, Raymond Rambert {RAM-BEAR}, and Jean Tarrou, attempt to survive.

ANSWER: **The Plague** ("**La Peste**")

18. This city's sprawling refugee camp, nicknamed "The Jungle," was closed in October, 2016. For 10 points each...

(10) Name this northern French port city which is the closest to the English coast, separated only by the narrow English Channel.

ANSWER: **Calais** {CAL-A}

(10) This English city, the namesake of famous chalk cliffs, lies opposite Calais, along its namesake strait which is an arm of the English Channel.

ANSWER: **Dover**

(10) Dover and Calais are the endpoints for *this* rail project that was completed in 1994 connecting Great Britain and the European mainland.

ANSWER: **Channel Tunnel** (accept "**Chunnel**" or "**English Channel Tunnel**"; accept "**Eurotunnel**" or "**Le Tunnel sous La Manche**")

19. This process begins with an intense feeling of cold, which prompts the body to shiver. For 10 points each...

(10) Name this medical condition in which a person experiences a dangerous drop in core body temperature.

ANSWER: **Hypothermia**

(10) When the body shivers, it constricts the blood vessels and releases catabolic hormones, like *this* one which commonly induces the so-called “fight-or-flight” response.

ANSWER: **Adrenaline**

(10) Once adrenaline and other hormones have been released, the body’s metabolic rate slows down, and *this* muscle in the body goes through ventricular fibrillation.

ANSWER: **Heart**

20. This author was an advocate for the Puritan “Half-Way Covenant” because he felt that the Congregationalist Church had lost its way. For 10 points each...

(10) Name this poet and minister, whose poem “Huswifery” {HOUSE-WIFERY}, used thread spinning as a metaphor for God’s love.

ANSWER: **Edward Taylor**

(10) In this other metaphorical poem by Taylor, he describes a spider catching one of *these* double-winged creatures in its web.

ANSWER: **Fly** (accept “**Upon a Spider Catching a Fly**”)

(10) Taylor went to *this* Massachusetts-based university when he arrived in America in 1668, graduating in 1671.

ANSWER: **Harvard University**