

Harvard Fall Tournament VII

Round 10

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Tossups

1. James Strang, founder of the Strangite sect of this religion, was king of Beaver Island until his assassination. Other sects of this faith include Rigdonites and Bickertonites. At one point, members of this faith settled in Independence, Missouri, where the Church of Christ Temple Lot is based. This faith began when its first leader had the “grove experience” and after that man’s murder, its followers left Nauvoo, Illinois to establish the State of Deseret under the leadership of Brigham Young. This faith’s holy book was translated from golden plates revealed by the angel Moroni. For 10 points, name this religion founded by Joseph Smith, of which Mitt Romney is an adherent.

ANSWER: **Mormons** [Accept **Mormonism**, **Latter-Day Saints**, **Latter-Day Saint movement**, or **LDS church**.]

2. This scientist was the first recorded man to predict global warming due to human fossil-fuel burning and he received the Nobel prize for discovering the mechanism of electricity conduction through electrolytes by ions in solution. He further believed that ions existed in electrolytic solutions independent of current. This man was one of the founders of physical chemistry, and an equation relating activation energy and rate constants is named for him. This scientist also has a namesake definition of acids and bases where acids donate H⁺, whereas bases donate OH⁻. For 10 points, name this contemporary of van’t Hoff and Ostwald, a Swedish chemist.

ANSWER: Svante (August) **Arrhenius**

3. One character in this novel takes a scythe and works in the field before inventing a new cooperative enterprise system, and that character’s brother Sergei is a famous novelist. At the end of this novel, one of the main characters goes to fight in Serbia against the Turks. That character had earlier raced his mare Frou-Frou too hard, breaking her back. The main character of this novel tries to prevent the divorce of her brother Stepan and his wife Dolly, but she ends up deserting her son Seryozha and her husband’s offer of divorce to tour Europe with her lover before jumping in front of a train. For 10 points, name this novel about Kitty, Levin, Vronsky, and the titular socialite by Leo Tolstoy.

ANSWER: **Anna Karenina**

4. This man names a period of time in the history of the universe, during which the four fundamental forces were unified, that period lasted for an amount of time that is one unit in his system of natural units called “God’s units.” This man’s introduction of the “action quantum” in his study of heat theory led him to formulate an eponymous law that reduces to Rayleigh-Jeans Law at long wavelengths. That law of blackbody radiation helped to resolve the “ultraviolet catastrophe” and led to the development of quantum theory. For 10 points, name this scientist, whose constant has value 6.626×10^{-34} joule-seconds and is symbolized by the letter h.

ANSWER: Max (Karl Ernst Ludwig) **Planck**

5. A man in red leaning over some ramparts in front of a river cityscape can be seen through three arches in one work by this artist, which also shows a man in brown and gold robes kneeling at a Book of Hours in front of Mary. Another work by this artist of *Madonna of Chancellor Rolin* shows clergy, knights, prophets, and martyrs gathering for the central Adoration of the Lamb scene, and also shows God the Father enthroned in its top panel. This man is best known for a work with a circular mirror on the back wall, an open window at left, and a dog at the feet of a newly wedded couple. For 10 points, name this Flemish painter of *The Ghent Altarpiece* and *The Arnolfini Wedding*.

ANSWER: Jan **van Eyck** [Accept Johannes **de Eyck**, as well as the **Madonna of Chancellor Rolin** before “this artist.”]

6. Morgan Snook served under this man during an expedition where he captained the *Grenville*, while Herman Sporing and Daniel Solander were naturalists on one of his voyages. This man, who produced a detailed map of Newfoundland, helped map the St. Lawrence River during the Siege of Quebec. Johann and Georg Foster succeeded Joseph Banks in one role on his expeditions, the last of which saw him fail to pass through the Bering Strait aboard the *Resolution* in an attempt to find the Northwest Passage. This discoverer of the eastern coast of Australia sailed on the HMS Endeavor. For 10 points name this discoverer of the Sandwich Islands, now known as Hawaii.

ANSWER: Captain James **Cook**

7. Confabulation and amnesia in Korsakoff’s syndrome is one potential result of deficiency in this group of compounds, and a related deficiency results in the three Ds of dermatitis, diarrhea, and dementia. Pregnant women take a form of these groups as supplements to avoid birth defects and their consumption is also key to preventing pellegra and beri-beri. Yellow-green urine results from excess intake of these chemicals and 5-hour Energy unscientifically includes four of its members because they promote energy production and cell growth. For 10 points, name this group of vitamins including thiamine, riboflavin, and niacin and a 12 variety, which had been previously considered a single vitamin.

ANSWER: **B vitamins** [Accept **thiamine** or **B1** before “group of compounds”]

8. In November 2012, this country’s finance minister announced a \$5 billion loan between the IMF and this country’s Building and Development, that man is al-Nour. Salafist Front parties have recently been locked in conflict about the inclusion of Sharia law in this country’s constitution. This country’s upper house of parliament, the Shura, is currently controlled by the Freedom and Justice Party, whose chairman, Mohamed Morsi, is also the current president of this nation. For 10 points, name this country which has seen controversy about Morsi’s ties to the Muslim Brotherhood, in which protests in Tahrir Square led to the ouster of president Hosni Mubarak in 2011.

ANSWER: Arab Republic of **Egypt**

9. A Parsi servant in this work predicts that two hearses driving across the sea will serve as an omen for another character’s death. In addition to Fedallah, other men in this book include the tiny Pip and the gigantic Daggoo. One character in this novel keeps a strange coffin in the shape of a canoe, and another character nails a golden coin to the mast of a ship. The *Rachel* saves the narrator of this novel, who began his life as a schoolteacher. That narrator meets the the harpooner Queequeg before setting sail on the *Pequod*. For 10 points, name this novel narrated by Ishmael, in which Captain Ahab is destroyed by the titular white whale, by Herman Melville.

ANSWER: **Moby-Dick**; or, *the White Whale*

10. Benedetto Marcello’s *Il Teatro Alla Moda* was published under a pseudonym constructed from this composer’s name. This man composed a set of violin concertos named after the lyre-like cetra. This man also composed concerto collections titled *La Stravaganza* and *L’estro Armonico*. This composer of a concerto for the mandolin wrote an oratorio in which Holofernes is beheaded; that is *Juditha Triumphans*. The *Contest Between Harmony and Invention* includes his most well known work, a set of four violin concerti. For 10 points, identify this man known as the “Red Priest,” the composer of the concerti “Spring,” “Summer,” “Autumn,” and “Winter” that make up his *Four Seasons*.

ANSWER: Antonio (Lucio) **Vivaldi**

11. This city was added to Austrian territory in the Treaty of Campo Formio, which was signed at the home of its last independent ruler, Ludovico Manin. Forces from this city under Bartolomeo d’Alviano were crushed by Louis XII of France at the Battle of Agnadello during a war named for the League of Cambrai, which was formed by Pope

Julius II to oppose this city's power. Enrico Dandolo convinced a large fleet to pay its debts to this city by attacking Zara in Dalmatia and then sacking Constantinople. For 10 points, name this Italian city formerly led by Doges, who participated in the annual "Marriage of the Sea" ceremony held to honor this city's dependence on its many canals.

ANSWER: **Venice** [Accept **Venezia** or **Venexia**.]

12. One of this author's characters is a doctor who reads the Bible to an illiterate farm family that ends up crucifying him. This author imagined Averroes attempting to translate Aristotle's *Poetics* in one work, and another sees Red Scharlach murder the detective Erik Lonnrot at Triste-le-Roi. Aside from writing "The Gospel According to Mark," this author described an object found in Daneri's cellar that allows one to see everything in the universe from every angle. For 10 points, name this author of "Death and the Compass" and "The Aleph," an Argentinian who also wrote about the German spy Yu Tsun [sun] in "The Garden of Forking Paths."

ANSWER: Jorge (Francisco Isidoro) Luis **Borges**

13. Following one war in this nation, Ruth Perry held power as Chairwoman of the Council of State. That conflict saw Prince Johnson show the execution of the president on television. William Tolbert, a member of the True Whig party, lead this country until his overthrow by Samuel Doe, who himself was killed in the civil war that saw Charles Taylor take power. Currently led by Africa's first female head of state to gain her position through election, Ellen Johnson-Sirleaf, it was founded mostly by freed slaves from the United States. Its capital is named after the fifth president of the United States. For 10 points, name this country with capital at Monrovia.

ANSWER: Republic of **Liberia**

14. The flames surrounding the Nataraja, or the god Shiva dancing, represent this event, which occurs every four yugas. Both the eighteenth chapter of the Qur'an and the Book of Ezekiel indicate that a conflict between Gog and Magog will occur during this event. The beasts Zizz, Behemoth, and Leviathan will be served as entrees at a large banquet after they are slain by God at this time. A sun that rises in the west, three huge earthquakes, and a "false Messiah" or Antichrist will accompany this event brought about when the angel Gabriel blows a trumpet to resurrect the dead. For 10 points, name this final event in religious cosmologies, which some believe will occur this December.

ANSWER: the **end** of the **world** [Accept equivalents.]

15. This thinker criticized Keynesian psychology in a work that called for an "industrial consumption price index." This man determined that every Riemann manifold can be isometrically embedded into a given Euclidean space in his namesake "embedding theorem." This thinker is best known for a concept proved by the Brouwer Fixed Point theorem which describes a situation in which no person will change his strategy while knowing the strategy of his opponent. For 10 points, name this subject of a biography by Sylvia Nasar and namesake of an "equilibrium" in the field of game theory, an American mathematician whose struggles with schizophrenia were famously detailed in *A Beautiful Mind*.

ANSWER: John Forbes **Nash**, Jr.

16. The TAS Classification names these objects, which often form through the Tholeiitic or calc-alkaline series. Vine, Matthews, and Morley found patterns in one type of these, whose namesake "large provinces" are found in places including the Siberian Traps and Deccan Traps. Including rocks such as andesite and peridotite, this type of rock makes up batholiths and laccoliths, and can be classified based on metal and silicon content as felsic or mafic. Based on crystal size they are phaneritic or aphanitic and based on formation they are intrusive or extrusive. For 10 points, name this type of rock, examples of which include granite and basalt, formed from cooled magma.

ANSWER: **igneous** rock [Prompt on a specific igneous rock, e.g. "granite" or "basalt." Prompt on "Rock."]

17. In one work associated with the "neo" variety of this philosophical movement, the author criticizes a reliance on the correspondence theory of truth in Analytic philosophy. That work is *Philosophy and the Mirror of Nature* by

Richard Rorty. The founder of this branch of philosophy described four methods to overcome the titular “Fixation of Belief” in one essay; that man is Charles Peirce. In one work advocating this philosophy, it is described as “A New Name for Some Old Ways of Thinking.” For 10 points, name this philosophy that advocated practical knowledge, championed by men such as John Dewey and William James.

ANSWER: **pragmatism**

18. With a cult center at Abydos, this god was usually depicted wearing a crown with ostrich feathers, and he eventually became conflated with the corn god Neper, and later to the bull god Apis in a syncretic deity known as Serapis. This god carried a crook and flail, and was found in a tamarisk tree at Byblos by his wife, who was his sister since both were children of Geb and Nut. This god was cut up into fourteen pieces by his jealous brother Set, after which he became ruler of a location where dead souls were weighed by Anubis against the feather of Maat. For 10 points, name this husband of Isis and father of Horus, the Egyptian god of the underworld.

ANSWER: **Osiris** [Accept **Usiris**.]

19. In Rousseau’s *Emile*, the only book Emile can read before age 12 is named for this character. The fictional novelist Daniel Foe fictionalizes Susan Barton’s encounter with this character in a novel by J. M. Coetzee, and in the novel in which this character most famously appears, he fights off wolves in the Pyrenees. This man takes up occupancy on the Island of Despair, and he decides he has no right to kill uneducated cannibals. This character famously sees a footprint on the beach. For 10 points, name this character who names his friend after the day of the week he met him, a Friday, created by Daniel Defoe and based off shipwrecked sailor Alexander Selkirk.

ANSWER: Robinson **Crusoe**

20. A sculpture of this name at the Glenkiln Sculpture Trail shows a hunched-over figure with clasped hands and raised arms which was made by Jacob Epstein. Antonio Canova sculpted a kneeling figure of this name with a cross resting over a skull and the figure's knees. A legend about that same figure fasting for thirty days inspired a wood sculpture showing an extremely gaunt depiction in which she is covered in her long hair. St. Peter's Basilica contains a very youthful sculpture of another woman by this name in which she holds in her lap the body of her dead son. For 10 points, give this name shared by the subjects of Donatello's *Penitent Magdalene* and Michelangelo's *Pieta*.

ANSWER: **Mary** [Accept **Maria**. Be lenient and accept **Mary** Magdalene or the Virgin **Mary** even though the Epstein work is just “Mary.”]

Bonuses

1. The first man to be considered as holder of this position helped deal with the South Sea Bubble, but resigned following the disastrous Siege of Cartagena. For 10 points each:

[10] Identify this position first held by Robert Walpole, the head of the government of the United Kingdom.

ANSWER: **Prime Minister** of the United Kingdom

[10] This man was Prime Minister many times in the mid-to-late 1800s. This Liberal leader was a fierce rival of Benjamin Disraeli and supported Irish Home Rule.

ANSWER: William Ewart **Gladstone**

[10] This is the name given to the campaign strategy of Gladstone during the 1880 election during which he gave a series of powerful speeches against Turkish atrocities in Bulgaria. It is considered to have set the stage for modern political campaigning.

ANSWER: **Midlothian** Campaign

2. Answer the following questions about electrochemistry. For 10 points each:

[10] This equation of electrochemistry relates the voltage across the terminals of a galvanic cell to the standard reduction potentials of each of its half-cells and the concentrations of aqueous ions in its half-cells.

ANSWER: **Nernst** equation

[10] This unit, generally given as 96,485 Coulombs per mole of electrons, is named after the creator the electric motor and the discoverer of the law of electromagnetic induction

ANSWER: **faraday**

[10] This process, which is used to generate the majority of current aluminum through the electrolytic reduction of an alumina-cryolite solution with graphite electrodes.

ANSWER: **Hall**-Heroult process

3. In one story by this author, Caractacus Pott buys the last Paragon Panther before that shop closes forever, and that Panther later helps save the chocolate shop of Monsieur Bon-bon. For 10 points each:

[10] Name this novelist, who wrote a novel about a spy infiltrating the Spangled Gang's illegal diamond cartel in Sierra Leone with the help of Tiffany Case, *Diamonds are Forever*, in addition to *Chitty-Chitty-Bang-Bang*.

ANSWER: Ian (Lancaster) **Fleming**

[10] This character, Fleming's most famous character, overcame villains like Mr. Big, Red Grant, and Dr. No for MI6 in novels like *Live and Let Die* and *From Russia, with Love*.

ANSWER: James **Bond** (prompt on **007**)

[10] This other novelist wrote about James Bond in his novel *Colonel Sun*. In his most famous novel, the title character Jim Dixon is a bumbling English professor who successfully woos Christine.

ANSWER: Kingsley **Amis**

4. This man led an expeditionary brigade of his countrymen alongside Fructuoso Rivera's Colorado Party during the Uruguayan Civil War. For 10 points each:

[10] Name this leader of the Redshirts who managed the military campaigns during the *Risorgimento*, which resulted in Italian unification.

ANSWER: Giuseppe **Garibaldi**

[10] This member of the House of Savoy was King of Sardinia prior to the *Risorgimento*, after which he was made the first king of a united Italy.

ANSWER: **Victor Emmanuel II**

[10] This military campaign undertaken by Garibaldi aimed at conquering the Kingdom of the Two Sicilies, which it achieved with the surrender of Francis II in 1861. It is named for the number of volunteers that set out from Genoa.

ANSWER: **Expedition of the Thousand** [Accept **Spendizione dei Mille**.]

5. Identify some arid areas of the South American continent, for 10 points each.

[10] This narrow desert in Northern Chile is known for its nitrate deposits and is the most arid desert on the planet.

ANSWER: **Atacama** Desert

[10] This region was originally named for the "big feet" of the native inhabitants. It is located east of the Andes and makes up the majority of Argentina south of the Pampas

ANSWER: **Patagonian** Desert

[10] This small desert in Southern Peru is most famous for the series of lines drawn into the earth by its namesake culture. From high above one can see the outlines of monkeys and other animals in this desert.

ANSWER: **Nazca** Desert

6. Walter Benjamin wrote that this artistic medium replaces cult value with exhibition value, while Roland Barthes claimed that it lacks a connoted message. For 10 points each:

[10] Name this artistic medium that was born from the invention of the daguerreotype and makes heavy use of the camera.

ANSWER: **photography** [Accept equivalents.]

[10] This member of the Sierra Club took lots of photos of the American West, such as his *Moon and Half Dome* and *El Capitan*, which were taken in Yosemite.

ANSWER: Ansel (Easton) **Adams**

[10] Both Adams and Dorothea Lange visited this Japanese internment camp. Adams was able to bring back photographs of children in classrooms or farmers in the fields.

ANSWER: **Manzanar**

7. This poet took boxing lessons from Ernest Hemingway and wrote a pseudo-autobiographical poem about his failure as a poet, *Hugh Selwyn Mauberley*. For 10 points each:

[10] Name this poet, a friend of T. S. Eliot, who wrote “In a Station of the Metro,” translated Chinese and Japanese poetry, and composed the epic *Cantos*.

ANSWER: Ezra (Weston Loomis) **Pound**

[10] Pound became acquainted with this American expatriate artist and patron in Paris. She coined the term “Lost Generation,” and her works include *Tender Buttons* and *The Autobiography of Alice B. Toklas*.

ANSWER: Gertrude **Stein**

[10] Another one of Pound’s friends was this Imagist poet, best known by her initials, who wrote works like “Oread” and the book length poem “Helen in Egypt.”

ANSWER: **Hilda Doolittle**

8. In this novel, one character drowns some newborn kittens in a bucket of water and famously chases a helicopter. For 10 points each:

[10] Name this novel that sees Bam and Maureen Smales live in their former servant’s village during a fictional civil war in South Africa.

ANSWER: **July’s People**

[10] In *July’s People*, one of these items hidden in the roof of a hut is stolen from the Smales family. *One Hundred Years of Solitude* opens with Aureliano Buendia facing a group of people pointing these items at him.

ANSWER: **guns** [Accept **rifles**, or equivalents]

[10] This South African author, who also created the businessman Mehring in *The Conservationist*, wrote *July’s People*.

ANSWER: Nadine **Gordimer**

9. This nineteenth century idealist included thesis, antithesis, and synthesis as the components of his dialectic. For 10 points each:

[10] Name this German philosopher who described how spirit and history undergo the same process in his *Lectures on the Philosophy of Religion* and *Phenomenology of Spirit*

ANSWER: Georg Wilhelm Friedrich **Hegel**

[10] This term denotes the name for a famous passage in Hegel’s *Phenomenology of Spirit* in which two dialectically related opposites struggle with one another in their striving for self-consciousness.

ANSWER: **master-slave** dialectic [or **Herrschaft und Knechtschaft Dialektik** or **lordship** and **bondage** dialectic]

[10] This idealist dismissed Hegel as a “windbag.” He described the world as the objectification of a sinister will to life. His interest in Hinduism and Buddhism is evident in his *The World as Will and Idea*.

ANSWER: Arthur **Schopenhauer**

10. He only had one hand because he was the only god brave enough to place an arm in Fenrir’s mouth while the other gods chained the wolf down with Gleipnir. For 10 points each:

[10] Name this Norse god of war who gives his name to the day after Monday.

ANSWER: **Tyr**

[10] Like many other gods, Tyr was fated to die during this apocalyptic battle that was preceded by the long Fimbulwinter. Odin was swallowed by Fenrir during this battle.

ANSWER: **Ragnarok**

[10] This enormous hound was kept in a cave until he was released at Ragnarok, where he fought with Tyr until they both killed the other.

ANSWER: **Garm**

11. This man's namesake law restricted the Catholic Church and declared all citizens equal before the law. For 10 points each:

[10] Name this indigenous president of Mexico who fought Emperor Maximilian I and has a namesake city across from El Paso.

ANSWER: Benito (Pablo) **Juarez** (Garcia)

[10] Juarez was in office as President when Zaragoza won the Battle of Puebla, which is celebrated during this holiday.

ANSWER: **Cinco de Mayo**

[10] Juarez was a leader of the Liberals who battled the Conservatives in this 1857-1861 war, which occurred after the ousting of Santa Anna.

ANSWER: **Reform War** [Accept **Guerra de Reforma**.]

12. Name these things about a Japanese religion. For 10 points each:

[10] This Japanese religion focuses on worship of various kami spirits, which may inhabit either a public shrine, small household shrine, or natural location.

ANSWER: **Shintoism** or **kami-no-michi**

[10] This is the Japanese term for purification rituals performed before entering a shrine or elsewhere.

ANSWER: **harae**

[10] Dedicated practitioners may purify themselves by performing ablutions in a river. The first occurrence of this practice was by this kami who purified himself in a underworldly river after departing from his similarly named wife.

ANSWER: **Izanagi**-no-Mikoto [Do NOT accept "Izanami"]

13. It features Morro Castle in the background and a few ships can be seen moored in Havana harbor on both edges of the painting. For 10 points each:

[10] Name this painting showing men on a boat trying to rescue their companion from an angry cartilaginous fish. One of them holds a harpoon and prepares to strike down on it.

ANSWER: **Watson and the Shark**

[10] Watson and the Shark was a painting by John Singleton Copley, an artist from this country. Another artist from here painted the portrait of Washington that appears on this country's dollar bill.

ANSWER: **United States** of **America** [Accept either. Accept **USA** and the **US**.]

[10] Copley painted his half-brother holding a small chain acting as a leash for this rodent, which sits chewing on a shelled nut on a table.

ANSWER: **squirrel** [Accept **Boy with a Squirrel**.]

14. The immune response can be divided into innate immunity and acquired immunity. For 10 points each:

[10] First, name this portion of innate immunity which involves the dilation of blood vessels and the swelling of tissue cells to limit spreading of infection.

ANSWER: **inflammation**

[10] Originating from monocytes, these cells are first to arrive and engulf large portions of infectious agent and phagocytize them out of the cell.

ANSWER: **macrophages**

[10] This disease is particularly deadly since the Mycobacterium causing it is unaffected by alveolar macrophages.

ANSWER: **tuberculosis**

15. This state of matter is characterized by a high degree of ionization which is typically caused by high temperatures and strong electromagnetic fields. For 10 points each:

[10] Name this state of matter found in stars and neon lights.

ANSWER: **plasma**

[10] Plasma are characterized as having this length, scale over which mobile charge carriers such as electrons screen out electric fields.

ANSWER: **Debye length**

[10] Peter Debye also names a law describing this quantity as proportional to the third power of temperature. This quantity is defined as the amount of heat needed to change a substance's temperature.

ANSWER: **heat capacity** [accept **specific heat**]

16. One character created by this author earned her nickname when she ran through the bombardment of Riga trying to sell bread. For 10 points each:

[10] Name this playwright who created a mother whose three children, Eilif, Swiss Cheese, and Katrin are all shot during the Thirty Years War in the play *Mother Courage and Her Children*.

ANSWER: (Eugene) Bertolt (Friedrich) **Brecht**

[10] This Brecht play describes the singer Arkadi Cheidze's story of Grusha, who is awarded custody of the child Michael after Judge Azdak makes use of the titular design.

ANSWER: *The **Caucasian Chalk Circle*** [Accept *Der **Kaukasische Kreidekreis***.]

[10] Much of Brecht's writing can be explained by this literary theory, in which characters and events are interpreted as representing class struggle. It is named for a 19th century German philosopher and economist.

ANSWER: **Marxism** [Accept **Marxist** Literature and equivalents.]

17. This composer of the *Death and the Maiden* string quartet included two famous *Andantino* movements in his incidental music to Helmina von Chezy's play *Rosamunde*. For 10 points each:

[10] Name this German composer whose eighth symphony is known as his "Unfinished Symphony."

ANSWER: Franz (Peter) **Schubert**

[10] This work by Franz Schubert is written for the unusual ensemble of piano, violin, viola, cello, and bass. Its fourth movement is a set of variations on a work about a fish, Schubert's lieder *Die Forelle*.

ANSWER: **Trout Quintet** [Accept **Piano Quintet in A Major**.]

[10] Schubert also wrote this song cycle based off 24 poems by Wilhelm Muller which contains the song "The Linden Tree" and ends with a poet listening to a hurdy-gurdy man.

ANSWER: **Winterreise** [Accept **Winter Journey**.]

18. This is the only planet that is less dense than water, and the Huygens gap is found in the Cassini division of one of its features. For 10 points each:

[10] Name this gas giant that has the most distinctive set of planetary rings in the solar system.

ANSWER: **Saturn**

[10] This largest moon of Saturn is the only moon to have a thick atmosphere. It's atmosphere made observation of its surface difficult, until the Cassini-Huygens probe discovered liquid lakes on its surface.

ANSWER: **Titan**

[10] 98.4 percent of Titan's atmosphere is made up of this gas which is responsible for its orange color.

ANSWER: **Nitrogen**

19. This battle included the campaign to take Little Round Top and the disastrous Pickett's Charge. For 10 points each:

[10] Name this 1863 US Civil War battle, which also saw fighting at the Peach Orchard and Cemetery Hill.

ANSWER: Battle of **Gettysburg**

[10] A year prior to Gettysburg, the maritime theater of the Civil War saw these two ironclad warships face off in the Battle of Hampton Roads, which ended with a draw.

ANSWER: USS **Monitor** and USS **Merrimack** [accept CSS **Virginia**. Prompt on just one answer.]

[10] This last major campaign of the US Civil War saw Ulysses Grant and Robert E Lee's forces engage in trench warfare in and around the namesake Virginia town.

ANSWER: Siege of **Petersburg**

20. This thinker argued that sickness makes the sufferer enter a role of "sanctioned deviance" in his Sick Role hypothesis. For 10 points each:

[10] Name this sociologist who also developed "action theory" in his work *The Structure of Social Action*.

ANSWER: Talcott **Parsons**

[10] Parsons taught at this university, whose other famous professors have included Steven Pinker and William James. This university, America's oldest, was founded in 1636

ANSWER: **Harvard** University

[10] Parsons also analyzed the work of this Italian thinker, who developed a namesake "efficiency" in economics in which no one can become better off without making someone else worse off.

ANSWER: Vilfredo (Federico Damaso) **Pareto**