

1. Some of its lesser-known signatories included Moses Fletcher, Digory Priest, and William Brewster. Written “in the presence of God and one another,” it was meant to “covenant and combine” the signatories “into a civil body Politick,” and its better-known signers included William Bradford, John Alden, and Myles Standish. FTP what is this document signed on November 11, 1620, at Cape Cod, the first political constitution written by European settlers in North America and named for the vessel that brought them there?

Answer: Mayflower Compact

2. One interesting result of this law is that the magnetic field does no work on a moving charged particle, and it is often considered to be a fifth Maxwell equation. For ten points, name this force law which states the force on a charged particle moving through an electromagnetic field.

Answer: Lorentz force law

3. In one of this author's novels, Macon Dead Jr., nicknamed Milkman, has an Aunt Pilate who has no navel, and who is thus much feared. In another, the title character, whose last name is Peace, betrays her friend Nel by sleeping with Nel's husband. In yet another, the protagonist, who is raped by her father, Cholly, wishes for an eye color usually associated with a Caucasian ideal of beauty. FTP who wrote of these things in the novels *Song of Solomon*, *Sula*, and *The Bluest Eye*, a Nobel Prize winner probably best known for *Beloved*.

Answer: Toni Morrison

4. This concept was first presented by its Viennese theorizer in 1912's *The Neurotic Constitution*. It often manifests itself in overcompensating behavior, like being over-aggressive, to mask one's unconscious anxieties. Described by Alfred Adler, FTP name this unconscious belief that one is inadequate or even worthless.

Answer: inferiority complex

5. Created by Mike Mignola for Dark Horse Comics, this supernatural superhero was raised by Trevor Bruttenholm, after being brought forth in the 1940's. He fights evil with his right hand of doom and giant Samaritan revolver alongside BPRD agents Abe Sapien and the fiery love of his life, Liz. FTP, name this shorn-horned demonic detective.

Answer: Hellboy

6. He successfully commanded the Florentine militia late in the Pisan War, helping to secure Pisa's surrender in 1509, and was involved in the planning for the War of the Holy League. When the Medici were restored to power in 1512, he was imprisoned and tortured on suspicion of treason, but released due to a lack of evidence and retired in semi-poverty for the next 14 years. During that time, he wrote plays, poems, and a history of Florence that got him back into the Medicis' favor. FTP name this soldier and statesman, who would be forgotten today but for another of his writings, a work of political theory titled *The Prince*.

Answer: Niccolo Machiavelli

7. The “Dance of the Reed Flutes” and a Pas de Deux are among its lesser-known components. Composed in 1892, it includes elements of many cultures, including the English Horn-driven Arabian Dance, the Chinese Dance and the very rapid Russian Dance, but the story takes place entirely in the home of one German family, where Clara dreams about a magical gift. FTP name this ballet, whose best-known sections are the Waltz of the Flowers and the Dance of the Sugar Plum Fairy.

Answer: The Nutcracker

8. This school of thought had its origins in a meeting at Harvard's bicentennial that included George Putnam, Henry Hedge, and George Ripley, as well as its most famous exponent. Eleven days later those men created a formal club to further American thought and letters and invited Orontes Brownson and Bronson Alcott, among others, to join. Concerned with creating a mindset that went past John Locke's empiricism, FTP this was what American literary/philosophical school most often associated with Margaret Fuller, Henry David Thoreau, and Ralph Waldo Emerson?

Answer: Transcendentalism (acc. Transcendental Club)

9. John Russell Pope submitted the design but died before the cornerstone was laid. Its location was chosen based on a long-dormant proposal by the McMillan Commission, which itself was advocating the completion of Pierre l'Enfant's original plans over 100 years after the fact. A deal had to be struck with the D.A.R. to keep women from chaining themselves to the Japanese cherry trees blocking its construction near the Tidal Basin. FTP name this memorial, dedicated in 1943 on the 200th birthday of the U.S.A.'s 3rd president.

Answer: **Jefferson Memorial** (sorry, can't accept either Jefferson National Expansion Memorial, which is something else entirely, or Jefferson Monument, which is just wrong.)

10. Speaking of those Japanese cherry trees, their purchase was largely underwritten by Dr. Jokichi Takamine, who is credited with the discovery and crystallization of this compound, with formula C-9 H-13 N O-3. It has a short lifetime because of its fast degradation and thus cannot be administered orally. But it has a dual function: as a hormone – such as when it and glucagon induce the metabolism of glycogene -- and a neurotransmitter, which produces vasoconstriction, sweating, reduced clotting time for the blood, and an increase in the rate and strength of the heartbeat. FTP name this compound most associated with moments of excitement or stress.

Answer: **adrenaline**

11. For a few years before WWI, this poet served as literary secretary for William Butler Yeats. One of his first published works was his homage to a painter, "To Whistler, American," followed soon after by "Portrait d'une Femme." Still, it was as an editor and encourager of writers like William Carlos Williams and T.S. Eliot that his more lasting mark was made. After WWII he was imprisoned in a psychiatric ward for 12 years before returning to Italy to die. FTP name this poet known for his advice to "make it new", his authorship of "Hugh Selwyn Mauberly" and "The Pisan Cantos," or his cooperation with the Italian Fascists during World War II.

Answer: **Ezra Pound**

12. Pencil and paper ready, you will have 15 seconds. FTP calculate the product of the complex numbers $1 + 2i$ and $2 - 5i$.

Answer: **12 - i**

13. Its penultimate provision calls for an independent Polish state to include all "territories inhabited by indisputably Polish populations." The second insists on freedom of the seas in peace or war. The seventh argues that Belgium "must be evacuated and restored, without any limit to [its] sovereignty." The 12th calls for "the Turkish portions of the present Ottoman Empire" to remain sovereign, but all of its other lands to become autonomous. With its last laying the groundwork for The League of Nations, FTP name this document written after WWI by Woodrow Wilson.

Answer: **Fourteen Points** for Peace

14. The first of these events was predicted by an amateur English scientist named Jeremiah Horrocks in 1639. Attempts to use the 1761 instance to determine the measurements of Earth's distance from various objects were ruined by bad weather, but in 1769 worldwide efforts were coordinated by England's Royal Academy and included James Cook's establishment of an observatory in Tahiti and Jeremiah Mason and Charles Dixon's work in South Africa. Occurring in pairs eight years apart with 120 years in between, the most recent took place on June 8, 2004. FTP what is this passing of the second planet in our solar system between the Earth and the Sun?

Answer: **Transit of Venus** (don't prompt on just "Venus")

15. In the Upanisadic tradition, this term is used for the supreme principle or great soul of the universe. In traditional Hinduism, it could refer to a particular group of ancestors mentioned in the *Markandeya Purana*, or it could denote any especially magnanimous or wise person. Literally meaning "great soul," FTP name this title of honor, most associated with either a brand of rice or Mohandas K. Gandhi.

Answer: **Mahatma**

16. The title figure sits to the right of a framed drawing. A green curtain dominates the upper and middle left of the painting, and the figure's feet rest on a small wooden box. The figure herself faces left, wearing a white head scarf and a black dress with her hands folded on her lap. Among the most famous paintings of the 19th century, FTP name this work subtitled "Arrangement in Grey and Black, No. 1."

Answer: **The Artist's Mother** (acc. "Whistler's Mother"; accept full title before it's said)

17. The clearest details about it come from the novel's chapters "Some Figures" and "All by Electricity." A whopping 70 meters long, it contained a salon, 12,000-volume library, numerous cabins, and even a museum featuring a huge art collection, an organ, and, fittingly, a large collection of marine specimens, many of which had never been seen by the Canadian whaler Ned Land or Professor Aronnax. Helmed by the mysterious Captain Nemo, FTP what is this fictional submarine featured in Jules Verne's *20,000 Leagues under the Sea*?

Answer: **Nautilus**

18. It began when it was included in the party platform of winning prime minister Daniel Malan in 1948, and the Department of Home Affairs was put in charge of the classification of all citizens into one of three groups. It was strengthened by the 1951 passage of the Bantu Authorities Act which established ethnically or tribally based homelands on the fringes of population centers. It was weakened in the 1970s by the enactment of the Sullivan Rules, urging non-discriminatory hiring for American businesses, and later by mass disinvestment by Western corporations. Repealed completely by 1991, FTP what was this policy of racial segregation in South Africa?

Answer: **apartheid**

19. Originally called Project II, these 1980s superstars sold over 45 million books, 70 million greeting cards and 40 million toys in addition to starring in a movie, a TV series on ABC, and two TV specials. They were originally created by the American Greetings card company as a "sequel" to the successful Strawberry Shortcake characters. Legends of King Arthur and the Knights of the Round Table provided inspiration for their home, Care-a-lot. FTP, what is this group of furry friends, originally released in 1983, and recently re-released in 2003 for the 20th anniversary?

Answer: **Care Bears**

20. The most common ailment of this organ is Grave's disease, which causes over stimulation that can result in weight loss and rapid heart beat. The gland is primarily composed of specialized epithelial cells which absorb iodine and the spaces between are filled with parafollicular cells which secrete calcitonin. FTP, name this endocrine gland situated below the Adam's apple.

Answer: **thyroid**

21. His wife, Emilia, is an innocent intermediary in his schemes, and is one of many characters to comment on his virtue and honesty. Ironically, he famously says of honor that "he that filches from me my good name/Robs me of that which not enriches him," while he "Who steals my purse steals trash." Using Roderigo to help in his schemes to bring down Cassio, Desdemona and the title character, FTP this is what manipulative Shakespeare character from *Othello*?

Answer: **Iago**

22. One of the men used by the plaintiff as an example in this case was Patrick Chavis, who went on to become a Los Angeles Ob/Gyn who delighted right wingers when he botched a number of liposuctions before being shot to death in 2002. The plaintiff himself is now an anesthesiologist in Rochester, Minnesota, though in the mid-70s he failed twice to get into a mid-level state medical school. Finally, in 1978 Supreme Court Justice Lewis Powell sided with both sides of a split court and issued an opinion which invalidated the UC-Davis quota program while also striking down a law barring race from being a factor in college admissions. FTP name this landmark case that sustained Affirmative Action as a federal mandate.

Answer: **Bakke v. California Board of Regents**

1. Pencil and paper may be helpful. In the Old Testament, after the book of Daniel, there are twelve shorter books whose authors are commonly called the Minor Prophets. We'll give you 20 seconds to come up with a list of all 12. You'll get 5 points for every 2 you get right; obviously, you only get 12 guesses.

Answers: Hosea, Joel, Amos, Obadiah, Jonah, Micah, Nahum, Habakkuk, Zephaniah. Haggai, Zechariah, Malachi

2. FTPE name these leaders of the German military in World War II:

a) Severely wounded in the Beer Hall Putsch, this World War I hero built up the Luftwaffe, or German air force, but was done in by his ego and a lack of attention to detail, possibly due to his addiction to morphine.

Answer: Hermann **Goering**

b) Nicknamed "the Desert Fox," this field marshal was considered the Germans' best field commander for his skillful use of armored forces in the French invasion and the North African campaign.

Answer: Erwin **Rommel**

c) Less renowned than Rommel, this commander of the XIX (19th) Panzer Corps was responsible for trapping Allied forces at Dunkirk and in the 1941 invasion of Russia, but was replaced due to his willingness to argue with Hitler about the wisdom of staying in an exposed position outside Moscow when winter began.

Answer: Heinz **Guderian**

3. In 1871 Dmitri Mendeleev proposed his final version of the periodic table. FTPE answer the following about elements that weren't on it:

a) & b) Mendeleev used his table to make some very accurate predictions about the physical properties of missing elements, which we now know have atomic numbers 21, 31, and 32. FTPE name any two of those three; you don't have to specify which one is which atomic number.

Answer: any two of **scandium, gallium, and germanium**

c) The gap at atomic number 43 remained empty until this radioactive element was identified in 1937 by Segre and Perrier in a sample of molybdenum that had been altered in a cyclotron, thus making it the first artificially produced element.

Answer: **technetium**

4. Identify these F. Scott Fitzgerald works, none of which is Gatsby, FTPE.

A. His last novel, left unfinished, it chronicles the life and loves of movie executive Monroe Stahr, who was based on MGM's Irving Thalberg.

Answer: *The **Last Tycoon*** (acc. The Love of the Last Tycoon)

B. This novel tells the story of wealthy psychologist Dick Diver and his unstable wife Nicole.

Answer: ***Tender Is the Night***

C. This much-anthologized short story tells of Dexter Green, a caddy who meets rich girl Judy Jones during the titular season.

Answer: ***"Winter Dreams"***

5. Show what you know about the biggest military engagement of the summer of 216 BCE FTPE.

A. This Carthaginian dude had been scaring his Roman enemies with the elephants he brought with him, but by the summer of 216 they'd all died.

Answer: **Hannibal**

B. Hannibal won the battle by using this brilliant maneuver, in which he allowed the center of his line to be driven back while his flanks stayed put, eventually encircling the Romans.

Answer: **double envelopment**

C. At what battle did Hannibal use the double envelopment to smash the Romans?

Answer: **Cannae**

6. We'll give you the TV Show, you give us the band that does their theme song, FTPE.
The O.C.

Answer: **Phantom Planet**

Aqua Teen Hunger Force

Answer: **Schooly D**

Smallville

Answer: **Remy Zero**

7. Identify the composers of these operas on a 10-5 basis.

A. (10 pts.) *Idomeneo; Abduction from the Seraglio*

(5 pts.) *The Magic Flute; Così Fan Tutte*

Answer: Wolfgang Amadeus **Mozart**

B. (10 pts.) *Elektra; Arabella*

(5 pts.) *Salome; Der Rosenkavalier*

Answer: Richard **Strauss**

C. (10 pts.) *Daughter of the Regiment; Don Pasquale*

(5 pts.) *The Elixir of Love; Lucia di Lammermoor*

Answer: Gaetano **Donizetti**

8. FTPE answer the following related to Slavic languages:

a) Some Slavic languages use the Roman alphabet, but due to the influence of the Eastern Orthodox Church, Russian, Ukrainian, and Bulgarian are among those that use this alphabet instead.

Answer: **Cyrillic**

b) This single language, spoken by many residents of the former Yugoslavia, gets its hyphenated name because it's called by one part of its name when written in the Roman alphabet and by the other part when Cyrillic is used. No wonder those folks always seem to be at war with each other.

Answer: **Serbo-Croatian** [accept Serbian-Croatian]

c) This nation in Eastern Europe is almost surrounded by Slavic-speaking neighbors but uses its own non-Slavic language, also called Magyar.

Answer: **Hungary**

9. Identify the phyla of the animal kingdom from clues FTPE.

(10) Members of this phylum are noted for their exoskeleton, jointed appendages, and segmented body. The largest phylum of the animal kingdom, it includes insects and crustaceans.

Answer: **Arthropoda**

(10) This phylum includes humans and although primarily made of vertebrates, closely related invertebrates such as lampreys are also included.

Answer: **Chordata**

(10) Jellyfish and sea anemones, as well as coral belong to this entirely marine phylum.

Answer: **Cnidaria**

10. FTPE name the Russian authors from works:

a) *The Seagull, The Cherry Orchard, and Three Sisters*

Answer: Anton **Chekhov**

b) *Doctor Zhivago*

Answer: Boris **Pasternak**

c) *Cancer Ward and The Gulag Archipelago*

Answer: Aleksandr **Solzhenitsyn**

11. Stuff about the Mexican War FTPE.

A. This general, nicknamed "Old Rough and Ready," took Monterrey in September, 1846.

Answer: Zachary **Taylor**

B. This other general, nicknamed "Old Fuss and Feathers," took Veracruz and won the battles of Cerro Gordo and Chapultepec.

Answer: Winfield **Scott**

C. This colonel, after taking Santa Fe, moved on to California where he defeated Americans who had created an independent state called the Bear Flag Republic.

Answer: Stephen **Kearny**

12. Answer the following about a certain poetic form FTPE.

A. This Italian term describes stanzas of three lines with rhyme scheme aba, bcb, cdc, etc.

Answer: **terza rima**

B. The term is Italian because of the popularization of the form in this epic.

Answer: The **Divine Comedy** [grudgingly accept The **Inferno**, which is just half of it]

C. Percy Shelley used terza rima in this famous ode, which ends, "If winter comes/Can spring be far behind?"

Answer: "**Ode to the West Wind**"

13. 30-20-10, identify this painter from works.

30: Composition with Death's Head; the sets and costumes for Diaghilev's ballet Parade.

20 The Guitarist; The Three Women

10 Les Demoiselles d'Avignon; Guernica

Answer: Pablo **Picasso**

14. ID these American athletes who starred at the 2004 Summer Olympics FSNOP.

A. (5 pts.) This helium-voiced gymnast refused to give back the gold medal he was awarded in the all-around.

Answer: Paul **Hamm** (hahm)

B. (5 pts.) This swimmer won eight medals, including four individual gold.

Answer: Michael **Phelps**

C. (10 pts.) This American Greco-Roman wrestler won bronze and then left his shoes in the ring to signify his retirement.

Answer: Rulon **Gardner**

D. (10 pts.) This female swimmer and Berkeley student won five medals including two golds.

Answer: Natalie **Coughlin**

15. Name the personality disorder given a description, FTSNOP.

(5) distrust and suspicion of others

Answer: **paranoia** or paranoid

(5) preoccupation with orderliness, perfectionism, and control

Answer: **obsessive-compulsive** disorder

(10) excessive love of self, need for admiration, and lack of empathy

Answer: **narcissism** or narcissist or narcissistic

(10) Excessive emotionality and attention seeking

Answer: **histrionic**; accept **borderline** personality disorder

16. Identify these islands of the Pacific Ocean FTP each.

(10) This island, the third largest in the world, is divided politically between Indonesia and Brunei.

Answer: **Borneo**

(10) This island state of Australia covers 26,000 square miles and is located south of the Australian mainland.

Answer: **Tasmania**

(10) This small island nation with about 8 square miles of area has, per capita, some of the richest residents in the world due to its large amount of phosphate deposits.

Answer: **Nauru**

17. Answer the following about the Oresteia FTPE.

A. Who wrote that trilogy of plays?

Answer: Aeschylus

B. The first play in the trilogy is named for what leader slain upon his return from Troy?

Answer: Agamemnon

C. Give either the Greek or English name of the trilogy's second play.

Answer: Choephorae (ko-ee-FOR-eye: be lenient) or The Libation Bearers

18. Find the determinant of the following 2x2 matrices for fifteen points each.

(a) First row, 2 4. Second row, 1 -2

Answer: **-8**

(b) First row, 1 -3. Second row 1 0

Answer: **3**

(c) First row, 0 -2. Second row -2 0

Answer: **-4**

19. Stuff about a couple of Cold Warriors FTPE.

A. In 1950 this State Department official was convicted of perjury for stating under oath that he had never passed secret documents to Communists.

Answer: Alger Hiss

B. Hiss purportedly passed documents to this Commie-turned-rabid-anti-Commie.

Answer: Whittaker Chambers

C. The documents passed from Hiss to Chambers on microfilm earned this nickname from the place in which Chambers claimed to have hidden it.

Answer: pumpkin papers

20. Given a brief description identify the following things associated with solid state physics for ten points each.

(a) As with the classical problem, the problem of coupled oscillators is solved by analyzing these, a particular frequency of oscillation in which all the oscillators move with the same frequency.

Answer: **normal modes**

(b) The Hamiltonian formed with the normal modes of a crystal lattice predict these particles, the mediating particles for vibrations in solids.

Answer: **phonons**

(c) For any periodic potential, there exists this kind of energy structure, in which particles have regions of allowed energies broken up by regions of disallowed energies.

Answer: **band-gap** structure

21. Aren't you sick of Ragnarok questions? Instead, hit these about Norse creation myths FTPE.

A. When the heat from Muspellheim met the cold from Niflheim, this giant, the first sentient being, was created.

Answer: Ymir (EE-meer)

B. This cow created spontaneously from some melting frost fed Ymir from the four rivers of milk coming from her teats.

Answer: Audhumbla

C. Along with his brothers Vili and Ve, this leader of the Aesir killed Ymir.

Answer: Odin