1. In Antioch, he received a vision to renounce pagan learnings, so he fled to the desert for meditation. He was ordained in 378 and became Pope Damasus I's secretary. The pope then ordered him to translate the Bible, which has become known as the Vulgate. FTP, name this saint and Father of the Church, often depicted amongst lions.
        Answer: St. Jerome

2. Rising in the Eastern Highlands near Gold Coast, this 1702 mile-long river sees its most uses in irrigation and hydroelectricity. It sometimes runs dry in the arid plains, but not around Wentworth, South Australia, where it is joined by the Murray. FTP, name this Australian river.
        Answer: Darling River

3. A former vermicelli maker, he lives in the Pension Vauquer along with Eugene de Rasignac. The consuming obsession of his life is his love for his daughters, Delphine and Anastasie. These ungrateful women drive him to poverty so that they can buy their way into high society, but neither daughter shows up at his funeral. FTP, name this tragic title character created by Honore de Balzac.
        Answer: Pere Goriot or Old Goriot

4. #3: curl E = -dB/dt. #1: divergence D = rho. #2: divergence B = zero. #4: curl H = dD/dt + J - in which J = current density, b = magnetic field, E = electric field, and D and H are field quantities. They form a complete description of the production and interrelation of electric and magnetic fields. FTP, whose equations are these?
        Answer: Maxwell's equations

5. After 1422 she secretly married Owen Tudor. Her father was Charles VI of France. Her first son was heir to two thrones, and ruled England as Henry VI. FTP, name this wife of the English king Henry V.
        Answer: Catherine of Valois

6. It deals primarily with the ontology of presence. How are Plato's Forms, for example, so eternal? It altered the use of the word *Dasein* to mean the entity which each individual subject is. The ontological surpassing the epistemological makes this 1927 work a legacy of Kant. FTP, what is this Heidegger work?
        Answer: Being and Time or Zein und Zeit

7. Her psychologist father said that in movement there is truth, so she took up dance. In 1920, she debuted with Denishawn, but left to start her own company in 1929, in which back motility and costume movement became key in Archaic Hours and Appalachian Spring. FTP, name this American dancer and choreographer.
        Answer: Martha Graham

8. He taught at the University of Iowa after attending the Iowa State Agricultural College. nHe advocated soil improvements through crop diversification. His agricultural developments included products based on cotton waste, yams, and over 300 from peanuts. FTP, name this agronomist who also taught at Tuskeegee.
        Answer: George Washington Carver

9. Wind Cave National Park is located there. Harney Peak is the tallest.
In 1874, the discovery of gold led many whites into this area, violating the Lakota's reverence for them as a holy place. FTP, what is this area in South Dakota and Wyoming?
        Answer: the Black Hills

10. Subplots include the love life of Harriet Smith, who falls in love with Robert Martin but is persuaded to consider Mr. Elton as a suitor. This idea fails when Mr. Elton falls in love with the title character, and her subsequent attempts to charm Frank Churchill are also unsuccessful. However, when the title character finally realizes that Mr. Knightley is her true love, the happy ending ensues. FTP, name this Jane Austen novel, recently updated in the movie Clueless.
        Answer: Emma

11. This Mayan god controlled the tides, but was generally the chief deity of the air. He commanded the wind and rain, and used thunder as speech. When he became drunk, he would become violent, and violent storms would cause vast destruction along the coastlines. FTP, name this brother of Cabracan, whose name survives as a kind of storm.
        Answer: Huracan (accept Hurricane)

12. Many of the Masai opposed this organization. Formed in the early 1950's, its main constituency was Kikuyu, and it was supported by Ngugi and Kenyatta. In 1952, this group began a series of uprisings against British colonizers. The bloodshed did not end until 1956. FTP,

name this Kenyan independence group.
        Answer: <u>Mau Mau</u>

13. A common one is phenylmagnesium bromide, which often forms new carbon-carbon bonds. Their "inventor" won the 1912 Nobel Prize for Chemistry for their development. FTP, identify this class of reagents important in organic chemistry.
        Answer: <u>Grignard</u> reagents

14. This economist's books include <u>A Theory of the Consumption Function</u> and <u>Price Theory</u>. Born in New York City in 1912, perhaps his most famous contributions are his books entitled <u>Monetary Trends of the United States and the United Kingdom</u> and <u>A Monetary History of the United States</u>, both of which were cowritten with Anna Schwartz. FTP, name this economist who won a Nobel Prize for economics in 1976.
        Answer: Milton <u>Friedman</u>

15. Born in 1795, he joined the revolution against Spain and led the victory at Pichincha in Ecuador in 1822, at Junin, and at Ayacucho 1824, which assured South American independence. Bolivar's chief lieutenant, he returned to Bolivia in 1825 as its first president. FTP, name this statesman, whose name lives on as one of the capitals of Bolivia
        Answer: Antonio Jose de <u>Sucre</u>

16. In <u>Tradition</u> (1918), he writes of the sense of conduct and honor achievable only through the acceptance of customary norms of British authority. He examines the brashness of age in the novella <u>Youth</u>. The conundrum of British colonialism is interrogated by his narrator Marlow in <u>Lord Jim</u> and <u>Heart of Darkness</u>. FTP, name this British author.
        Answer: Joseph <u>Conrad</u>

17. This magazine was founded in 1917 and was published, sporadically, until 1931. J.J.P. Oud was its final editor. The first editor was Theo van Doesburg, and Gerrit Rietveld and Piet Mondrian were among the most noted contributors. It furthered the neoplasticists' ideas. FTP, what is this Dutch art magazine?
        Answer: de <u>Stijl</u>

18. In insects, this term refers to one of the pairs of mouth-parts used most commonly for seizing and cutting food. In birds, it refers specifically to the lower bill of a bird, just as in humans it is paired with the maxilla - the lower jaw. FTP, what is this term?
        Answer: <u>mandible</u>

19. Proposed by a Connecticut Senator in the Army Appropriations Bill, it was finally abrogated in 1934. The only vestige of it left is the US naval base at Guantanamo Bay. This 1901 rider made US intervention in Cuba almost mandatory. FTP, name this "amendment."
        Answer: <u>Platt</u> Amendment

20. Her ghost haunts 124. She later returns in the body of a young woman and seduces Paul D. She eventually disappears or "explodes" before the eyes of her sister Denver. Though not really named, her tombstone reads the one word her mother could afford after Sethe kills her to keep her from slavery. FTP, identify this Toni Morrison title character.
        Answer: <u>Beloved</u>

21. He read Roman verse and aspired to emulate the greats in his essays <u>Moralia</u>. When he visited Rome, he was inspired to preserve what he felt was the most important of civilizations and its shapers, which he did in his <u>Parallel Lives</u>. FTP, name him.
        Answer: Plutarch

22. It was first found in coral under the H-bombed Marshall Islands. Its only use seems to revolve around its 80-day half-life. Atomic number 100, it is named for the Italian atom splitter. FTP, name it.
        Answer: fermium

23. Born in 1867, he was Taft's secretary of War from 1911-13 and then served FDR as such from 1940-45. He served as Hoover's Secretary of State, and denounced the Japanese invasion of Manchuria in a biting doctrine that bears his name. FTP, name him.
        Answer: Henry Lewis Stimson

24. This 1927 novel details the struggles of Jean Vaillant and Jean Latour. The two of them struggle in the desert to construct a cathedral, which eventually leads to one's end. FTP, name this Willa Cather work.
        Answer: Death Comes for the Archbishop

25. If the percentage of a population homozygous for a gene equals the square of its genetic percentage, then random mating will keep up the genotypic phenotypic balance in the population. FTP, what equilibrium principle is this?
        Answer: Hardy-Weinburg equilibrium

26. He grew up in China, despite being born in Germany. He was lonely and found solace in American comic books. He emigrated to America and studied graphic design, before becoming an artist, creating DegaMan, Zero Megalopolis, and the Beatles' Yellow Submarine. FTP, name this Pop artist.

Answer: Peter Max

27. They stated that the federal government had no right to exercise powers not delegated to it by the Constitution and that states could nullify objectionable federal laws. Written by Jefferson and Madison respectively, they were passed in 1798 and 1799 respectively. These pieces of state legislation were reactions against the Alien and Sedition Acts.

FTP, name them

Answer: Kentucky and Virginia Resolutions

28. In hypothesis testing, this type of error is made when the statistician rejects the null hypothesis and accepts the alternative hypothesis despite the fact that the null hypothesis is really true.

Answer: Type I error

29. The Shower Song, Two of Them Kissed Last Night, and Smelly Cat are some of her well-known songs, but this singer and guitar player hasn't yet managed to turn pro, so she's keeping her day job as a masseuse. FTP, name this sister of Ursula and friend to Monica, Joey, and Chandler.

Answer: Phoebe Buffay

30. The garrison at York was to be relieved by Prince Rupert. Alexander Leslie and Sir Thomas Fairfax then met here, where Rupert's army was attacked by Cromwell's forces on July 2, 1644. Charles I lost northern England, and Cromwell became the leading Parliamentary general. FTP, name this battle of the English Civil War.

Answer: Marston Moor

1. Give the name of the following distributions given their population density functions:
1. f of x equals lambda raised to the x times e raised to the negative lambda divided by x factorial, where x can be any integer between 0 and integer.
Answer: Poisson Distribution
2. f of x equals p raised to the x times the quantity one minus p raised to the the quantity one minus x, where x can be zero or one.
Answer: Bernoulli distribution
3. p of x equals the quantity one minus p raised to the quantity x minus 1 times p, where x can be any integer greater than or equal to one.
Answer: Geometric Distribution

2. Identify these battles from the War of 1812 FTP each.
1. Fought Sept. 11, 1814, a British fleet protecting the flank of Gen.
Sir George Prevost's army was defeated by the American fleet under the command of Master-Commandant Thomas Macdonough.
Answer: Lake Champlain
2. Fought July 25, 1814 on Canadian soil about one mile from Niagara Falls, it saw American forces under Gen. Winfield Scott and Gen. Jacob Brown fight the British to a standstill in some of the heaviest fighting of the war.
Answer: Lundy's Lane
3. Taking place in Frenchtown (now Monroe), Mich. on Jan. 22, 1813, it saw a massacre of Kentucky troops by Indian supporters of the British. This massacre, named for the nearby waterway, led to increased naval patrols of the Great lakes.
Answer: Raisin River Massacre

3. Identify these Biblical minor prophets from a description FTP each.
1. This book features a man initially reluctant to fulfill his spiritual calling to be a missionary to Nineveh. Some scholars find the whole story to be a bit "fishy."
Answer: Jonah
2. Only one chapter long, this shortest book highlights a feud between Israel and the Edomites, descendants of Esau bitter that Jacob had taken Esau's birthright.
Answer: Obadiah
3. This book features a herdsman from Tekoa prophesying the dispersion of Israel, leading to charges of treason and a confrontation with the priest of Israel's King Jeroboam II.
Answer: Amos

4. Identify the female authors of these post-WWII British novels FTP each.
1. Possession: A Romance   Answer: A.S. Byatt
2. The Sea, The Sea   Answer: Iris Murdoch
3. The Golden Notebook   Answer: Doris Lessing

5. Identify the taxonomic phylum given one of its 5 classes, 30-20-10.
1. Amphineura
2. Pelecypoda
3. Gastropoda
Answer: Mollusca or mollusk

6. Identify the names of the following historical documents for 10 points apiece:
1. This treaty ended the Grand Alliance against Louis XIV in the War of the Spanish Succession in 1713. France, Spain, Britain, the United Provinces, Prussia, Portugal and Savoy-Piedmont all signed it. Philip V kept the throne of Spain and concessions were given over territorial exchanges and barrier fortresses in the southern Netherlands against the French.
Answer: Treaty of Utrecht
2. By this 1929 agreement, Mussolini recognized the Vatican as an independent state and agreed to give the church financial support.
Answer: Lateran Agreement
3. This agreement between the first consul Napoleon Bonaparte and Pope Pius VII ended the breach between the revolutionary state and the Catholic Church that had originated in the Civil Constitution of the Clergy. It recognized Catholicism as the religion of the great majority of French people although religious tolerance was assured.
Answer: Concordat of 1802 (prompt for more info if Concordat is said)

7. Identify these women from Greek myth FTP each.
1. In Egypt, she bore the twins Belus and Agenor.
Answer: Io

2. She is buried alive with her sister Antigone.
            Answer: Ismene
3. Agamemnon sacrifices her so that Helen will be returned.
            Answer: Iphigenia

8. Name these Compsons from The Sound and the Fury FTP each.
1. She has allowed herself to get pregnant. She is last seen in Paris during the German occupation.
            Answer: Candace or Caddy
2. He tries to absolve Caddy's sexuality, but commits suicide at Harvard.
            Answer: Quentin
3. He is christened Maury, but is renamed. He is the first narrator.
            Answer: Benjamin or Benjy

9. Given a famous waterfall, identify the river that's falling FTP each.
1. Angel Falls   Answer: Churun
2. Victoria Falls   Answer: Zambezi
3. Yosemite Falls   Answer: Yosemite

10. Given an event in Japanese history, identify the **reign name** of the Emperor each occurred in for 10 points each.
1. The Kanto Earthquake happens.
        Answer: Taisho
2. Ito and Okuma's Constitution is adopted.
        Answer: Meiji
3. Mishima's Shield Society fails in its attempted coup.
        Answer: Showa

11. Identify this element, 30-20-10.
1. Discovered by Courtois, it turns starches deep blue.
2. Its vapor is how a daguerrotype is revealed.
3. The 131 isotope of this element is used in treating thyroid disorders.
        Answer: iodine

12. Given an excerpt from Article One of the Constitution, name the section FTP each.
1. "The times, places, and manner of holding elections for Senators, Representatives shall be prescribed in each state by the legislature thereof; but the Congress may at any time by law make or alter such regulations, except as to the places of choosing Senators."
        Answer: Section 4
2. "The Congress shall have the power to lay and collect taxes, duties, imposts, and excises, to pay the debts and provide for the common defense and general welfare of the United States..."
        Answer: Section 8
3. "The Senators and Representatives shall receive a compensation for their services to be ascertained by law and paid out of the Treasury of the United States."
        Answer: Section 6

13. Seven seems to be a lucky number for films. Identify the directors of these films for 5 points each.
1. The Seven Samurai   Answer: Kurosawa Akira
2. Stalag 17   Answer: Billy Wilder
3. The Seventh Seal   Answer: Ingmar Bergman
4. Seven Brides for Seven Brothers   Answer: Stanley Donen
5. Number Seventeen   Answer: Alfred Hitchcock
6. Se7en (pronounced seven)   Answer: David Fincher

14. Identify this literary character from clues, 30-20-10.
1. His name comes from the word for "schismatic." He needs money to aid his family.
2. Petrovich waits for him, while Sonya goads him.
3. His murder of a pawnbroker and her sister is the subject of Crime and Punishment.
        Answer: Raskolnikov

15. Give me the one-word BASIC command that would perform these tasks for 5 points each and a five point bonus for all five correct.
1. Assign a value to a variable
            Answer: Let

2. Begin a loop, which will be repeated a fixed number of times
    Answer: For
3. Write a word on the screen or paper
    Answer: Print
4. Ask the user to enter a response
    Answer: Input
5. Access a subroutine that appears outside the main body of the program
    Answer: Gosub or Call

16. Given the justly famous histories, give the historians for 5 points each.
1. History of the Persian Wars   Answer: Herodotus
2. History of the United States(1873-4)   Answer: George Bancroft
3. History of Sexuality   Answer: Michel Foucault
4. History of the Peloponessian Wars   Answer: Thucydides
5. Chronicles of England, Scotland, and Ireland (1577)   Answer: Raphael Holinshed
6. Annals (late 1st century AD)   Answer: Tacitus

17. Identify this book, 30-20-10.
1. The first section "Facts and Myths" details "Destiny," "Myths," and "History." Among the mythmakers criticized are Lawrence, Breton, Claudel, and Stendhal.
2. The second section "Woman's Life Today" focuses toward a humanistic liberation.
3. This 1949 Simone de Beauvoir book influenced Millet and Friedan.
    Answer: The Second Sex or Le Deuxieme Sexe

18. Dogs Playing Poker may not be your favorite art, but identify the painters of these subjects at play FTP each.
1. The Card Players, c. 1890   Answer: Paul Cezanne
2. Crack the Whip, c. 1880   Answer: Winslow Homer
3. The Oath of the Tennis Court   Answer: Jacques-Louis David

19. Identify the scientist that is credited with the following discoveries for ten points apiece:
1. No two electrons in a given atom can have the same set of quantum numbers. In other words, since an electron can spin in only two ways, each quantum orbit can hold no more than two electrons.
    Answer: Wolfgang Pauli
2. The determination of the electric charge of the electron, which won this scientist the 1923 Nobel Prize for Physics.
    Answer: Robert Andrews Millikan
3. This scientist is considered to have discovered the electron through his work with cathode rays.
    Answer: Joseph John Thomson

20. Identify this US politician from clues, 30-20-10.
1. Born in Brooklyn, this US Representative was brought up by a grandmother in Barbados.
2. In 1964 this advocate for the impoverished was elected to the NY State assembly. In 1969, this Democrat was elected US Representative from Brooklyn.
3. In 1972, this African-American woman ran unsuccessfully for the Democratic Presidential nomination.
    Answer: Shirley Chisholm

21. Identify the authors of these short stories for 5 points each.
1. A Hunger Artist   Answer: Franz Kafka
2. A Very Old Man With Enormous Wings   Answer: Gabriel Garcia Marquez
3. Dr. Heidegger's Experiment   Answer: Nathaniel Hawthorne
4. Bartleby the Scrivener   Answer: Herman Melville
5. Araby   Answer: James Joyce
6. The Necklace   Answer: Guy de Maupassant

22. Identify the year from clues, 30-20-10.
1. The Hollywood Ten are cited for contempt of Congress. The Truman Doctrine allows for aid to Greece and Turkey.
2. The National Security Act is passed. The Marshall Plan is announced.
3. Jackie Robinson wins Rookie of the Year.
    Answer: 1947

23. Given a hormone, identify its gland of origin for 5 points each.

1. glucagon   Answer: pancreas
2. calcitonin   Answer: thyroid
3. ACTH   Answer: pituitary
4. estrogen   Answer: ovary
5. parathormone   Answer: parathyroid
6. progesterone   Answer: ovary or corpus luteum

26. Identify the Italian Renaissance architects of these buildings FTP each.
1. Uffizi Gallery, Florence   Answer: Giorgio Vasari
2. Church of San Lorenzo, Florence   Answer: Filippo Brunelleschi
3. Tempietto degli San Pietro, Montorio Answer: Donato Bramante

27. Identify the artists that received Oscar nominations for original score for the following films FTP each.
1. _Toy Story_   Answer: Randy Newman
2. _Chariots of Fire_   Answer: Vangelis
3. _The Mission_   Answer: Ennio Morricone

28. Given a Native American leader, identify his tribal affiliation FTP each.
1. Captain Jack   Answer: Modoc
2. Cochise   Answer: Chiricahua Apache
3. Chief Joseph   Answer: Nez Pierce

29. Idenitfy the authors of these Canadian novels FTP each.
1. Cat's Eye   Answer: Margaret Atwood
2. The Apprenticeship of Duddy Kravitz Answer: Mordecai Richler
3. Pelagie-la-Charrette   Answer: Antonine Maillet

30. Given a work by one of the Five, identify the composer for 5 points, each with a 5 point bonus for all five correct.
1. Tamara   Answer: Mili Balakirev
2. A Night on Bald Mountain   Answer: Modest Mussorgsky
3. In the Steppes of Central Asia   Answer: Aleksandr Borodin
4. Mozart and Salieri   Answer: Nikolas Rimsky-Korsakov
5. Sunless   Answer: Modest Mussorgsky

Given the country, name its currency for 5 points each.
1. Brazil   Answer: real
2. Barbados   Answer: dollar
3. Oman   Answer: rial
4. Vatican City   Answer: lira
5. Sri Lanka   Answer: Rupee
6. Rwanda   Answer: franc (not CFA franc)

Identify the authors of these 20th century dramas from Africa FTP each.
1. Chaka   Answer: Thomas Mofolo
2. The Blood Knot   Answer: Athol Fugard
3. A Dance of the Forests   Answer: Wole Soyinka