Tossups

1. One character from this play collects the rocks which have shattered his windows in the night time so that his sons may one day inherit them. A woman in this play is fired by Mrs. Busk for being a free-thinker after her father delivers an address in which he claims that *The People's Messenger* has instilled the lie that the masses form the backbone of society. This work's protagonist, the brother of the town mayor, is betrayed by Billing and Hovstad and is derided for believing that "small animals" infest his town's major attraction by his father-in-law, Morten Kiil, who owns a tannery in the town. For 10 points, name this play in which Doctor Thomas Stockmann is shunned by society for claiming that his town's baths are infected by bacteria.
ANSWER: An **Enemy of the People** [or En **folkefiende**]

2. In Hesiod and Homer, this being has the epithet "erigeneia." A son of this divine being had a funeral at which a group of birds emerged from the pyre, after that Ethiopian son was killed by Achilles. Mount Hymmetus, a hill frequented by this deity, is the spot where Procris's husband Cephalus met her. This mother of Memnon raised Notus, Zephyrus, and other winds with Astraeus. After sleeping with Ares, she was cursed with desire for young human men such as Orion, and she failed to stop another lover from shriveling into a grasshopper after she asked Zeus to grant him eternal life but not eternal youth. This goddess lives with Tithonus on the banks of Oceanus, and her tears become dew on plants. For 10 points, name this "rosy-fingered" goddess of the dawn.
ANSWER: **Eos** [or **Aurora**; prompt on "Dawn" until the last word of the question is read]

3. In a network, the steepness of the loss curve as a function of the log of this quantity is called "roll-off". The logarithm of this quantity is the independent variable in a Bode plot, which will display kinks at "cutoff" values of this quantity. For an LC circuit, "L times C, all to the minus one-half" is the circuit's "natural" value of this quantity. A critical value of this quantity that is equal to half a system's sampling rate gives the value above which aliasing occurs, and is named for Nyquist. For an ideal mass on a spring, the square root of the ratio of the spring constant and the mass is another "natural" value of this quantity, whose namesake domain is related by the Fourier transform to the time domain. For 10 points, name this quantity that equals the velocity of a wave divided by its wavelength, and whose SI unit is the hertz.
ANSWER: **frequency** [or **angular frequency**]

4. The speaker of this poem quotes Hamlet's "What is a man" speech in attacking those that "sleep and feed." It describes one person as "centered in the sphere of common duties, decent not to fail in offices of tenderness." Another part discusses people who "ever with a frolic welcome took the thunder and the sunshine." The speaker of this poem declares "I will drink life to the lees" and claims that "life piled on life were all too little." This poem starts with the speaker saying that he is "by this still hearth, among these barren crags." That speaker tells his friends, "'Tis not too late to seek a newer world." It ends with the speaker hoping to travel onwards "to strive, to seek, to find, and not to yield." For 10 points, name this Tennyson poem about an "idle king" who was also the subject of a Homeric epic.
ANSWER: "**Ulysses**"

5. This man manipulated having a meeting with Paul Wentworth into getting a treaty agreed to, but was unaware that Wentworth had turned his secretary Edward Bancroft. Alexander Wedderburn attacked this man for an hour in front of the Privy Council for his role in illegally obtaining private letters during the Hutchinson Affair. William Strahan was never sent this man's "You Are Now My Enemy" letter. He employed his grandson Temple as a secretary, and never reconciled with his son William, the last royal governor of New Jersey. This man wore a coonskin cap to play up the folksiness of Americans while negotiating for an alliance with France, which happened after the victory at Saratoga. For 10 points, name this Founding Father from Pennsylvania who was also an accomplished scientist.
ANSWER: Benjamin **Franklin**

6. After appearing in one of these works, Frank McAlary was immortalized as Australia's "dancing man." Woody Allen used blue screen technology to insert himself into these works in *Zelig*. One embedded in *Starship Troopers*

shows kids doing their part by stomping on bugs on a playground. One titled "Spotlight on Adventure" shows a character getting kicked out of the Explorer's Society. The "previously on" segments of *The Legend of Korra* are styled after these works. An RKO division dedicated to making these created a fake one that takes up most of the first ten minutes of *Citizen Kane.* For 10 points, name these short informative films which were often accompanied by bombastic narration and stirring music and which were shown before many feature films until the 1960s.
ANSWER: **newsreel**s [prompt on "film" or "propaganda film" or "photograph"]

7. This thinker used an analogy to the ordering of words in a dictionary to describe the "lexical" priority of some rules over others. This man's reliance on maximin allocation was attacked by John Harsanyi. He bracketed off the "background culture" and took a "wide view" of the title phenomenon in *The Idea of Public Reason Revisited.* This man wrote that people with differing conceptions of the good should achieve "overlapping consensus," and changed his views through a process of reflective equilibrium. He wrote that all inequalities should benefit the worst-off, according to his difference principle. For 10 points, name this American author of *Political Liberalism,* who posited a thought experiment featuring the "veil of ignorance" to argue for a fair society in *A Theory of Justice*.
ANSWER: John Bordley **Rawls**

8. This novel begins with the narrator attempting to start writing down the story, but he gets sidetracked on the meaning of the word "genius" and must begin again. This novel's main character is influenced by his teacher Wendell Kretzschmar and befriends characters like Ines Rodde and Rüdiger Schildknapp. The main character of this novel contracts syphilis from Esmeralda on purpose. Its final climax occurs when the main character invites his colleagues to hear a performance of a work he has just completed, *The Lamentation of* the title figure, but instead reveals his deal with the devil. For 10 points, name this novel narrated by Serenus Zeitblom about the composer Adrian Leverkühn, by Thomas Mann.
ANSWER: ***Doctor Faustus***: *The Life of the German Composer Adrian Leverkuhn As Told by a Friend* [or ***Doktor Faustus:*** *Das Leben des deutschen Tonsetzers Adrian Leverkühn, erzählt von einem Freunde*]

9. This president was in power when Charles Pasqua's namesake laws set a goal for "zero immigration." During this man's time in office, three girls in Creil started the "affair of the headscarves." He won control of his party at the Epinay Congress, and he later ran on a platform of 110 propositions. He commuted Philippe Maurice's death sentence and abolished the death penalty. Pierre LaCoste claimed this man allowed an action that led to the resignation of Charles Hernu and the death of photographer Fernando Pereira. He beat Valery Giscard d'Estaing in the 1981 election and was in office during the sinking of the *Rainbow Warrior*. For 10 points, name this French president who had a cohabitation with his successor Jacques Chirac and was a member of the Socialist Party.
ANSWER: Francois Maurice Marie **Mitterrand**

10. The antifungal drug clotrimazole may be used to treat this non-fungal disorder because it inhibits activation of the Gardos channel, preventing dehydration. Priapism is a very common symptom of this disease. Autosplenectomy, where the spleen shrinks and eventually disappears, occurs in children with this disorder. It often leads to painful vaso-occlusion crises. Sodium metabisulfite is used to diagnose this disease, and hydroxyurea treats its symptoms. Linus Pauling coined the term "molecular disease" to describe this disorder, which is caused by the point mutation of glutamic acid to valine. Heterozygotes for its genetic mutation are resistant to malaria. For 10 points, name this disorder common in people with African heritage which causes red blood cells to deform.
ANSWER: **sickle cell** anemia [or **sickle cell** disease; or **SCA**; or **SCD**]

11. This artist depicted clouds covering the moon in the many works of his *Equivalent* series. A dark figure buffeted by wind and rain stands behind a feeble tree in his *Spring Showers*. Another of his works shows a piece of fabric being sewn by the titular objects, *Hands and Thimble*. This photographer showed horses carrying a carriage in the snow in *Winter--Fifth Avenue.* He supported modern painters like Cezanne and Picasso through exhibitions in his gallery 291. Much of his work was showcased in his magazine, *Camera Work*. The most famous photo by this founder of the Photo-Secession movement depicts lower-class passengers getting on a ship, and is titled *The Steerage*. For 10 points, name this 20th century American photographer who was married to Georgia O'Keeffe.
ANSWER: Alfred **Stieglitz**

12. David Blackbourn described how this policy led to three eight-year-old girls being forcibly placed into an orphanage for over a month after an experience they had while berry-picking in Marpingen. This policy was

effectively ended by the "Peace Laws" and may have prompted the assassination attempt by Eduard Kullmann. A specific kind of political speech was outlawed by this policy's "Pulpit Paragraph." This policy was opposed by Ludwig Windthorst, who became the leader of the Center Party while fighting against it. The encyclical *Quod Nunquam* opposed laws supporting this policy designed by Adalbert Falk. This policy that included the May Laws required civil marriages and banned the Jesuits. For 10 points, name this anti-Catholic policy promoted in Germany by Otto von Bismarck.
ANSWER: **Kulturkampf**

13. One of this man's treatises divides the history of the world into nine epochs and makes predictions about the future "tenth epoch." His wife Sophie de Grouchy ran a famous salon in the offices he occupied as inspector general of the mint. He designed the education system of Revolutionary France. He developed his theory that humanity was constantly advancing toward perfection in *Sketch for a Historical Picture of the Progress of the Human Mind*, which he wrote while hiding from the Jacobins. This theorizer of a namesake "jury theorem" discussed a paradox in which a candidate can win an election when a majority of voters prefer a different candidate. For 10 points, name this French enlightenment thinker whose namesake criterion is met when a winning candidate is preferred over all other candidates.
ANSWER: Marie Jean Antoine Nicolas de Caritat, marquis de **Condorcet**

14. This book describes a "hammering process" undergone by the Jews. It notes that nobody alive saw the Norman Conquest or the Spanish Armada in a passage on appeals to authority, and that a man who sired a baby each time he had sex could "easily populate a small village" in 10 years. Metaphors in this book include the "human fleet," in which each ship must steer itself to avoid collisions. This book compares unkind Miss Bates to the friendly Dick Firkin, and describes the Next Step towards New Men, in its last segment, "Beyond Personality." This work warns against "soft soap," calls the world "enemy-occupied territory," and posits the options of lunatic, fiend, or God in a "trilemma" about Jesus. For 10 points, name this work of apologetics compiled from wartime BBC broadcasts, in which C. S. Lewis sets out the basics of his faith.
ANSWER: *Mere Christianity* [accept "Clive Staples Lewis's *Broadcast Talks* until "baby" is read]

15. It is generally agreed that Handel's *Dettingen Anthem* formed the basis for this piece's second-movement double fugue. Musicologists such as Richard Maunder and Robert Levin have argued that the composer intended to incorporate the so-called "Amen fugue" into this piece. In a movement from this piece in 12/8 time, the first violin plays off-beat eighth notes and the second violin and viola play quarter notes. The only woodwinds called for in this piece are two bassoons and two basset horns. This composition, which was commissioned by Franz von Walsegg, originally broke off after the first eight or nine bars of the *Lacrimosa*, and was completed by Franz Xaver Süssmayr. For 10 points, name this mass for the dead by the composer of "Eine Kleine Nachtmusik."
ANSWER: Wolfgang Amadeus **Mozart**'s *Requiem* Mass in D Minor [accept **K. 626**]

16. A device used in this technique consists of an RF ring electrode and two other hyperbolic electrodes, and is sometimes named for Wolfgang Paul. A collision cell is used in the QqQ form of this technique. Sinapinic acid and DHB are common reagents for it. This technique occurs in series, or in "tandem", in order to sequence proteins. Tropylium cations form in this technique from benzyl compounds. Frequently, this process is combined with liquid or gas chromatography. The output of this process has a peak labelled M+1, originating from isotopes in the molecular ion, while the most common fragment is called the base peak. High-energy electrons cause fragmentation during its first step. For 10 points, name this technique which measures the ratio of a namesake property to charge.
ANSWER: **mass spec**trometry [or **mass spec**troscopy; or **MALDI** or **matrix-assisted laser desorption/ionization**; or **quadrupole ion trap** **mass spec**trometry]

17. A political party in this country was supported by drug trafficker Carlos Langberg in a 1980 election in which that party was split between supporters of Armando Villanueva and Andres Townsend. A socialist party was started in this country by Jose Carlos Mariategui after he broke with Victor Raul Haya de la Torre's APRA party. A president of this country was brought down after Channel N aired the first of the vladivideos, which showed a bribe being given to Alberto Kouri by national intelligence service chief Vladimiro Montesinos. A Communist group in this country was led by Abimael Guzman, who was called Presidente Gonzalo while leading the Shining Path. For 10 points, name this South American country led in the 1990s by its president Alberto Fujimori.
ANSWER: Republic of **Peru** [or Republica del **Peru**]

18. Towards the end of this story, the narrator decides that "once you begin a gesture it's fatal not to go through with it." One of its characters has friends who are nicknamed Plaid and Big Tall Goony-Goony by the protagonist. At the end of this story, the narrator's stomach sinks as he realizes "how hard the world was going to be to me hereafter." Its narrator contrasts his life with that of the married Stokesie and ends this story by telling Lengel that he wants to quit his job. This story's protagonist compares his parents' parties to those run by the parents of Queenie, who distracts Sammy and his coworkers by walking into the title establishment while wearing a bikini. For 10 points, name this short story narrated by a checkout operator at the title convenience store, by John Updike.
ANSWER: "**A&P**"

19. In modal logic, this property is instituted by the "4" axiom, which reads "box P implies box box P." This term denotes sets with the property that each non-atomic element is a subset of the set. By using the Floyd-Warshall algorithm on a graph, one can construct a closure of this type over the graph. This type of closure also names a method of constructing large and unwieldy regular expressions from automata. A complete digraph with this property is a strict partial order. This property is shared by the "less than" and "implies" relations, and by the thermal equilibrium relation, according to the zeroth law of thermodynamics. Any reflexive, symmetric relation with this property is an equivalence relation. For 10 points, give this term that describes a relation in which "A is related to B" and "B is related to C" implies "A is related to C".
ANSWER: **transitive** [or word forms]

20. In one painting by this artist, a backwards-facing female statue stands in a grove of trees while the title figure, who has roses on his shoes, sits on a bench strumming a guitar. A formerly lost painting by this artist of *Mezzetin* depicts yet another guitar-strummer sitting next to a passionately kissing couple. Another painting by this artist of *The Surprise* depicts a gathering of people admiring pieces of artwork on the right, and two people packing up paintings on the left, including one of Louis XIV. In one of this artist's most famous works, a large collection of couples makes their way to the golden boat surrounded by cherubs which is going to the title island. For 10 points, name this French Rococo artist of *Gersaint's Shop Sign*, and *The Embarkation for Cythera*.
ANSWER: Jean-Antoine **Watteau**

TB 1. An annual beauty contest in this country features seven contestants who each represent one of a set of mythical princesses who kept the severed head of their father in a jar. That contest occurs during the New Year festival known as Songkran or Pii Mai. In this country, many of the mountainous Soung people were converted to Christianity through missionary efforts, while the valley-dwelling Loum often remained Buddhists. Unexploded bombs in this country can be a hazard for tourist visits to its Xiangkhong Plateau, home to many mysterious stone jars. The Annamite Mountains form most of this country's border with its eastern neighbor, Vietnam, while its border with Thailand is mainly demarcated by the Mekong River. For 10 points, name this nation whose capital is Vientiane.
ANSWER: **Laos**

Bonuses:

1. This man was married to the artist Gwendolyn Knight. For 10 points each:
[10] Name this African-American painter best known for his extensive *Migration* series.
ANSWER: Jacob **Lawrence**
[10] Jacob Lawrence, along with Charles Alston and Romare Bearden, were part of a cultural "Renaissance" based in this New York City neighborhood.
ANSWER: **Harlem**
[10] This other Harlem Renaissance artist painted two men being grasped at by eerie green hands in *Song of the Towers*, one of the works in his series *Aspects of Negro Life*.
ANSWER: Aaron **Douglas**

2. In stellar astrophysics, this quantity is written as the path integral of the opacity times the mass density. For 10 points each:
[10] Name this quantity, usually symbolized "tau," which in simple situations gives the number of e-fold reductions in the number of photons in a beam due to scattering or absorption by the medium through which the beam propagates.
ANSWER: **optical depth** [or **optical thickness**; prompt on partial answer]
[10] Using the Eddington approximation, one can derive that this layer of a star, generally taken to be the visible surface, lies at an optical depth of two-thirds. Above this light-emitting portion lies the chromosphere.
ANSWER: **photosphere**
[10] Eddington also names a stability limit on this property of a light-emitting object. When this property of a body exceeds the Eddington limit, radiation forces exceed gravitational forces, generally resulting in powerful radiation-driven winds and rapid mass loss.
ANSWER: **luminosity**

3. This poem's speaker has "a broken drinking goblet like the Grail" that he stole "from the children's playhouse." For 10 points each:
[10] Name this poem which ends by instructing the reader to "drink and be whole again beyond confusion."
ANSWER: "**Directive**"
[10] Robert Frost, the author of "Directive," also wrote this poem, which begins "Nature's first green is gold, her hardest hue to hold" and describes how "leaf subsides to leaf" and "Eden sank to grief."
ANSWER: "**Nothing Gold Can Stay**"
[10] The speaker of this Frost poem believes that the title structure is unnecessary because "here there are no cows." It ends with the line "Good fences make good neighbors."
ANSWER: "**Mending Wall**"

4. This man died in a prison in France after he was captured by Charles Leclerc, and he had earlier defeated Andre Rigaud in the War of the Knives. For 10 points each:
[10] Name this leader of a massive slave rebellion in the Caribbean colony of Saint-Domingue.
ANSWER: Toussaint **Louverture** [or Francois-Dominique **Toussaint** Louverture]
[10] Toussaint Louverture led the rebellion in this modern-day country on Hispaniola, whose population in the neighboring Dominican Republic was attacked during the Parsley Massacre.
ANSWER: Republic of **Haiti** [or Republique d'**Haiti**; or Repiblik d' **Ayiti**]
[10] Andre Rigaud, Alexandre Petion, and Jean-Pierre Boyer were members of this class in Haiti, which was seen as the elite class and often opposed the black leaders Louverture, Dessalines, and Christophe.
ANSWER: **mulatto**es

5. Answer the following about bromination, for 10 points each.
[10] Bromination of an alkane will involve one of these highly reactive species as an intermediate, formed by the homolysis of diatomic bromine. These species have unpaired electrons.
ANSWER: free **radicals**
[10] The selectivity of bromination is explained by this postulate, because the late transition state has strong radical character. This postulate states that a transition state resembles the species closest to it in free energy.
ANSWER: **Hammond**-Leffler postulate

[10] Adding bromine to the allylic position of an alkene, on the other hand, is simple with the help of this radical initiator, which is commonly used in the Wohl-Ziegler reaction.
ANSWER: **NBS** [or **N-bromosuccinimide**]

6. *Note to moderator: Do not read the alternate answer to the first part.*
This suite begins with a march-like *Intermezzo*. For 10 points each:
[10] Name this three-movement suite originally written to accompany a historical tableau. It includes a *Ballade* in which a cor anglais represents a troubadour, and ends with a movement marked *Alla marcia*.
ANSWER: *__Karelia__ Suite* [or Jean **Sibelius**' **Op. 11**]
[10] The *Karelia Suite* is by this Finnish composer of *Finlandia* and seven symphonies.
ANSWER: Jean **Sibelius** [or Johan Julius Christian **Sibelius**]
[10] Sibelius also used the cor anglais to represent the title creature of this tone poem about a bird from the *Kalevala*.
ANSWER: *The __Swan of Tuonela__* [or *__Tuonelan joutsen__*]

7. Answer these questions about the jurisprudence, or *fiqh,* surrounding the performance of *wudu* in Islam, for 10 points each.
[10] This substance is required for use in *wudu*, a type of short purification done prior to prayer in Islam. When this substance is not available, *tayammum* is performed instead with sand.
ANSWER: **water**
[10] Most Islamic jurists agree that this part of *wudu* can be permissibly substituted by wiping over *khuffain*. Traditionally the last physical portion of *wudu,* it is often done by Christians to others on Maundy Thursday.
ANSWER: **wash**ing the **feet** [or **cleaning** the **feet**; accept any answer that describes washing a portion of the leg beneath the ankle; also accept **washing the leg**, as some people do wash above the ankle during *wudu*]
[10] This member of the four Sunni *madhaahib* requires the fewest obligatory actions in *wudu,* and doesn't require a formed intention. This school of jurisprudence is the most commonly followed among Indians, Pakistanis, and Turks.
ANSWER: **Hanafi** school [or **Hanafi** *madhab*; or **Hanafi** *fiqh;* accept answers indicating the followers of Imam abu **Hanifah**]

8. Elizabeth Loftus explored the weaknesses of this faculty. For 10 points each:
[10] Name this power of storing and retrieving information which has "long term" and "short term" varieties.
ANSWER: **memory**
[10] These vivid and resilient memories are caused by shocking events, such as the assassination of JFK or the 9/11 attacks.
ANSWER: **flashbulb** memory
[10] Endel Tulving proposed the widely accepting division of memory into semantic memory and this kind, which is the recall of facts and events personal to oneself.
ANSWER: **episodic** memory

9. This battle was fought near the Enipeus River, and after winning this battle, Julius Caesar declared, "Hoc voluerunt," or "They wanted this." For 10 points each:
[10] Name this decisive 48 BCE battle between the two remaining members of the First Triumvirate. This battle was preceded by its loser winning the Battle of Dyrrhachium.
ANSWER: Battle of **Pharsalus**
[10] Pharsalus was a defeat for this member of the Triumvirate with Julius Caesar and Crassus. This man was supported by the Optimates against Caesar, but was forced to flee to Egypt after losing at Pharsalus.
ANSWER: **Pompey** the Great [or Gnaeus **Pompeius** Magnus]
[10] Pompey was beheaded on the orders of this Egyptian king, the brother of and co-ruler with Cleopatra. Advised by the eunuch Pothinus, this king lost in a civil war with Cleopatra after Julius Caesar came to her aid.
ANSWER: **Ptolemy XIII** Theos Philopator [prompt on "Ptolemy"]

10. The title character of one opera by this man offends God by declaring his commitment to Venus while competing at the Wartburg Song Contest. For 10 points each:
[10] Name this composer of *Tannhauser*, *The Flying Dutchman*, and *The Ring Cycle*.

ANSWER: Richard **Wagner**
[10] This character loves Tannhauser and is in turn loved by Wolfram. She dies right before Tannhauser obtains forgiveness and earlier protects him from an attack by knights at the Song Contest.
ANSWER: **Elisabeth**
[10] Wagner's later opera *The Rhinegold* opens with 136 bars in this key in the Prelude. This key, used in Holst's "Jupiter," is the major key with three flats and is relative to C minor.
ANSWER: **E flat** major

11. Forms of this process include allopatric and parapatric. For 10 points each:
[10] Name this process in which a population separates into new groups that are unable to interbreed and produce fertile offspring.
ANSWER: **speciation** [prompt on word forms or things like "forming a new **species**"]
[10] Parapatric speciation can lead to the formation of these species in which populations can breed only with immediately adjacent populations, but the "terminal" species can't interbreed. *Larus* gulls and California salamanders are common examples.
ANSWER: **ring** species
[10] According to this hypothesis, evolution is principally driven by abiotic forces, not biotic ones. It's contrasted with the Red Queen hypothesis.
ANSWER: **Court Jester** hypothesis

12. A pamphlet cover shows this man's "pudel," Boye, opposite a man saying, "Bite him peper." Boye died while accompanying this prince during a losing effort at the Battle of Marston Moor. For 10 points each:
[10] Name this son of the Winter King Frederick V who made a name for himself as a cavalry commander during the English Civil War.
ANSWER: **Rupert** of the Rhine [or **Ruprecht** of the Palatinate]
[10] On the cover showing Rupert's poodle, Boye pairs this word with "curr" to describe the dog opposite him. This nickname for Parliamentary supporters during the English Civil War came from how some of them closely cropped their hair.
ANSWER: **Roundhead**s
[10] The term Roundhead may first have been used by this French daughter of Henry IV and queen of Charles I. This woman's strong Catholic faith may have played a role in agitating Puritan Roundheads to rebellion.
ANSWER: **Henrietta Maria** [or **Henriette-Marie**]

13. One poem by this man states that "men could not see, looking up, what the wild geese drew" or "hear battalions of starlings waging peaceful cries," concluding that the title period "lasted long." For 10 points each:
[10] Name this poet who wrote "The Season of Phantasmal Peace," as well as plays like *Dream on Monkey Mountain*.
ANSWER: Derek Alton **Walcott**
[10] This Walcott poem describes "That sail which leans on light tired of islands" and notes that "The ancient war between obsession and responsibility will never finish" before concluding that "The classics can console. But not enough."
ANSWER: "**Sea Grapes**"
[10] Walcott's *Omeros* was inspired by this epic poem about the madness of Achilles.
ANSWER: The ***Iliad***

14. This principle holds that plural entities should not be posited without necessity, though its namesake formulator made an exemption for the authority of Scripture. For 10 points each:
[10] Name this principle devised by a medieval British monk. When generally applied, it leads people to seek simpler explanations and theories.
ANSWER: **Occam's razor** [or **Ockham's razor**; or principle of **parsimony**]
[10] This view, held by William of Ockham, denied the existence of any universals, holding instead that abstract ideas such as "white" or "dog" are mere words that we ascribe as predicates.
ANSWER: **nominalism** [or **nominalist**]
[10] Occam wrote a *Summa* on this discipline, which was taught in his day using Porphyry's *Isagoge* as a textbook.
ANSWER: **logic**

15. The current holder of this position served in the Department of Housing and Urban Development under Bill Clinton. For 10 points each:
[10] Name this position currently held by Bill de Blasio and which has been held by Rudy Giuliani and Michael Bloomberg in the past..
ANSWER: **Mayor** of **New York** City
[10] Bill de Blasio has pledged to reform this New York City police policy which usually goes by a three-word name. It conforms to *Terry v. Ohio* but has been riddled with allegations of racial profiling.
ANSWER: "**stop-and frisk**" [or "**stop-question-and-frisk**]
[10] De Blasio's inaugural address also mentioned taxing the rich about $973 million more per year, stating that the approximated extra $3 a day is about the cost of this food item. Newt Gingrich responded by bringing one on *Crossfire* and coining a term for a new variety of liberalism.
ANSWER: a Starbucks small soy **latte**

16. A road to Basra became known as the Highway of Death in this war, after which Red Adair helped put out oil well fires. For 10 points each:
[10] Name this war started by Iraq's invasion of Kuwait. This war included such operations as Desert Shield and Desert Storm.
ANSWER: Persian **Gulf** War [or First **Gulf** War; do not accept "Iraq War"]
[10] This general, who had been made chief of US Central Command in 1988, led US forces in Desert Storm and worked alongside the Saudi commander, Khalid bin Sultan.
ANSWER: Herbert Norman **Schwarzkopf**
[10] The Gulf War included the first large-scale use of these Lockheed-designed stealth fighter planes, one of the first operational stealth planes along with the B-2 Spirit.
ANSWER: **F-117**s [or **Nighthawk**s]

17. This character first appears in "The Blue Cross," in which he is captured by Aristide Valentin and Father Brown. For 10 points each:
[10] Name this character, a master of disguise who, in later stories, becomes Father Brown's assistant detective.
ANSWER: **Flambeau**
[10] Flambeau, Valentin, and Father Brown are all creations of this author of *Heretics* and *The Man Who was Thursday*.
ANSWER: Gilbert Keith **Chesterton**
[10] In Chesterton's "The Invisible Man," Father Brown figures out that James Welkin was disguised as a member of this profession. In a James M. Cain novel named after this profession, Frank and Cora kill Nick Papadakis.
ANSWER: **postman** [accept equivalents like **mailman**]

18. One process studied by this branch of physics is spontaneous parametric downconversion. For 10 points each:
[10] Name this field of physics which is concerned with systems in which the relation between polarization and electric field is not simply described by a constant of proportionality.
ANSWER: **nonlinear optic**s [or **NLO**; prompt on "optics"]
[10] In spontaneous parametric downconversion, a single photon is converted into a pair of photons that have this property. A pair of particles with this property is considered in the EPR paradox.
ANSWER: quantum **entanglement** [or word forms]
[10] The photons produced by spontaneous parametric downconversion are matched with respect to this property, whose shift is the value phi in a sinusoid of the form "sin of ($f\,t$ plus phi)." A different usage of this term denotes diagrams such as PV diagrams that show states of matter.
ANSWER: **phase** [accept **phase shift**s or **phase diagram**s]

19. These people honored two howler monkeys who served as the patron gods of scribes, and the fiery god Tohil comes to dominance in an epic they wrote. For 10 points each:
[10] Name this indigenous people whose underworld featured torture houses such as the Cold House and the House of Bats, as well as a court for the sacred ball game.
ANSWER: **Maya**ns [or **Quiché** Maya]
[10] Heroes with this relation to each other descend into the underworld of Xibalba in the Quiché Mayan epic *Popol*

Vuh. In Greek myth, Castor and Pollux had this relationship.
ANSWER: **twin**s [prompt on "brothers"]
[10] The Maya Hero Twins use this substance to replace the teeth of the villainous Seven Macaw. The *Popol Vuh* relates that mankind was created from this resource, which the Aztec Quetzalcoatl stole in the form of an ant.
ANSWER: **maize** [or **corn** kernels]

20. The only indication that the title objects are occupied occurs at the end of this play. For 10 points each:
[10] Name this play which ends with the Orator leaving and the invisible audience starting to make noise. It begins with the Old Man and the Old Woman preparing for the arrival of the guests.
ANSWER: *The **Chairs*** [or *Les **Chaises***]
[10] *The Chairs* is by this absurdist playwright of *The Bald Soprano* and *Rhinoceros*.
ANSWER: Eugène **Ionesco** [or Eugen **Ionescu**]
[10] In this Ionesco play, the playwright Ionesco is reprimanded and bullied by three versions of Bartholomeus and saved by his housekeeper, Marie. It is subtitled "The Shepherd's Chameleon."
ANSWER: ***Improvisation**, or The Shepherd's Chameleon* [or ***L'Impromptu** de l'Alma*]