

Tossups

1. The most popular example of this sort of program can be benchmarked using the ab tool and began life as a spin-off of an NCSA program by Brian Behlendorf and Cliff Skolnick. Data produced by this type of software can be analyzed by SnowPlow and Piwik. One program with this function is the up the “A” in LAMP deployments. TUX is an in-kernel example of this kind of software. Most modern forms of this support receiving requests using digest access authentication. This type of software is vulnerable to XSS attacks. Many of them can be configured by modifying a dot-htaccess file. This type of software often calls application servers. They are the most common targets of DDOS attacks. For 10 points, name these software suites exemplified by Microsoft’s IIS and by Apache.  
ANSWER: **web servers** [or **HTTP servers**; do not accept “websites”]

2. An African and a centaur are among the figures fleeing from the title location in this artist’s *Minerva Driving Away Vice from the Garden of Virtue*. Putti hang from the painted garlands above this artist’s early composition, *Baptism of Hermogenes*. Bellini influenced his version of *Agony in the Garden* where Christ prays to a group of small angels on a cloud. An oil lamp hangs from an egg above the central figure, who is flanked by two gilded wooden columns in the central panel of his *Saint Zeno Altarpiece*. The title figure blesses a kneeling penitent in front of an arch rendered from a very low perspective in his now-destroyed *St. James Led to His Execution*. He depicted Ludovico Gonzaga and his family beneath a ceiling fresco where putti look down from the open sky in his paintings for the Ducal Palace in Mantua. For 10 points, name this artist who prominently featured nail wounds on the feet of Jesus in his *Dead Christ*.  
ANSWER: Andrea **Mantegna**

3. The speaker of this poem feels that he can never rest from a “weird refrain” whose measures cry “Doff this new exuberance / Come and dance the Lover’s Dance!” Its speaker admits that he fashions “dark gods” and begs “Lord, forgive me if my need / Sometimes shapes a human creed” after he admits “My conversion came high priced; I belong to Jesus Christ.” The speaker of this poem thinks of a certain location as “a book one thumbs / Listlessly, till slumber comes,” and is haunted by the “unremittant beat” of “cruel padded feet” which walk through his “body’s street.” Its speaker wishes to hear the song of “wild barbaric birds / goading massive jungle herds,” and feels “three centuries removed / from the scenes his fathers loved.” It repeats the refrain “Spicy grove, cinnamon tree, What is Africa to me?” For 10 points, name this poem in which Countee Cullen ponders his ancestry.  
ANSWER: **“Heritage”**

4. This work’s third chapter attacks a “traditional prejudice” that its author calls “intellectualism”, which like its “antithesis,” empiricism, is faulted for “tak[ing] the objective world as the object of... analysis, when this comes first neither in time nor in virtue of its meaning.” In a chapter on “Sense Experience” in this work, the author notes that in contemplating the “blue of the sky I am not set over against it as an acosmic subject,” and quotes Cezanne that the sky “thinks itself within me.” The first part of this work is dedicated to “the body” including such aspects of it as sexuality, synthesis, and spatiality, and its last part is modeled after Descartes’ *Meditations* and contains a chapter on “The Cogito.” This work closes by quoting St. Exupery’s *Flight to Arras* to say that “Man is but a network of relationships, and these alone matter to him,” and its last section distinguishes between “being-for-itself” and “being-in-the-world.” For 10 points, identify this Husserl-inspired work by Maurice Merleau-Ponty.  
ANSWER: **Phenomenology of Perception** [or **Phenomenologie de la perception**]

5. Following this battle, the town of Amherstburg was captured. During this battle, Lieutenant George Inglis took command of one side when his superior officer was wounded. Controversy surrounds the role of Jesse Elliot, who appeared to purposefully stay out of the early part of this battle. Prior to this battle, one side used barges called “camels” to lift their ships over a sand bar that protected Presque Isle. The losing side was led by Robert Barclay, who lost a leg and the use of his only remaining arm. The *Lawrence* was captured twice during this battle, forcing one officer to row to another vessel while under fire. Other vessels involved in this battle include the Queen Charlotte and the flagship Niagara. The winning commander notably sent a dispatch stating “we have met the enemy and they are ours.” For 10 points, name this War of 1812 naval victory for Oliver Hazard Perry.

ANSWER: Battle of Lake Erie [or Battle of Put-in-Bay]

6. In 1994, Gillian Weir recorded the complete organ works of this composer, which include his frantic depiction of one of Ezekiel’s visions, “The Eyes in the Wheels.” His study of the 13th century musical treatise *Sangita-Ratnakara* inspired the Indian rhythms he used in works such as *Canteyodjaya*. This composer divided the scale into seven “modes of limited transposition,” which he described in his book *The Technique of My Musical Language*. For his second wife, Yvonne Loriod, he composed a set of twenty piano pieces, *Vingt regards sur l'enfant-Jésus*. His only symphony contrasts a brass “statue theme” with a love theme inspired by Tristan and Isolde, consists of ten movements, and features the Ondes Martenot. A passage about an angel in the Book of Revelation inspired a string quartet he composed in a German POW camp during World War II. For 10 points, name this French composer of the symphony *Turangalila* and *Quartet for the End of Time*.

ANSWER: Olivier Messiaen

7. This man’s first role in the federal government was as head of the Office of Policy Planning at the Federal Trade Commission. This man said that his view of lizards was that “they make darn fine boots” while criticizing the EPA’s protection of endangered species at the 2013 CPAC. After serving as his state’s Solicitor General, this man defeated Democrat Paul Sadler in the general election after receiving Tea Party support in a divisive primary against David Dewhurst, his state’s Lieutenant Governor. This Senator was born to oil industry workers in Alberta, Canada. Ironically, this conservative’s father fought for Fidel Castro during the Cuban Revolution, but that did not prevent this Republican from winning the seat once held by Kay Bailey Hutchinson. For 10 points, name this newest Senator from Texas.

ANSWER: Ted Cruz

8. This leader first became interested in politics after attending a speech by Lydia Becker. This politician befriended the Scottish radical Keir Hardie, and for a time became a member of Hardie’s Independent Labour Party. This activist split from the Parliament Street Society over its adoption of a compromise position. This activist spoke out against prison conditions after being arrested for attempting to deliver a protest resolution to H. H. Asquith, whose refusal to meet this figure was called “Black Friday” and resulted in 200 protestors being assaulted by police. The Cat and Mouse Act was passed after some of this activist’s followers were controversially force-fed after going on a hunger strike. This leader founded the WSPU, whose slogan was “Deeds not Words”. This person’s strong opposition to Germany during World War I helped pass the Representation of the People Act of 1918, extending to 8.4 million people the right to vote. For 10 points, name this leader of the British women’s suffrage movement.

ANSWER: Emmeline Pankhurst

9. One man with this last name names a frequency which, with the Brunt-Väisälä frequency, determines the allowed  $p$ - and  $g$ -modes of a star. Another physicist with this last name described a method of finding the centers of optical transitions using counterpropagating laser beams to produce namesake absorption dips. The hydrodynamicist with this last name lends it to surfaces that contain streamlines and vortex lines; the second physicist with this last name teamed up with Robert Retherford for an experiment which showed that radiative coupling to the vacuum field breaks the degeneracy predicted by Dirac theory for states with the same  $n$  and  $j$  values, spurring the development of quantum electrodynamics. For 10 points, give this last name of Willis, who showed that the two S one-half state of hydrogen has a namesake energy shift.

ANSWER: Lamb [accept Horace Lamb or Willis Eugene Lamb]

10. One character in this play repeats the phrase “Because I believe that the world...” only to trail off into silence three times, and then asks another character to blow into his mouth. In the third act of this play, a previously unshaven and disheveled character enters clean-shaven and wearing a dark suit, and is warned “don’t let them tell you what to do!” In its second act, its main character is peppered with questions such as “What about the Albigensienist heresy?” and “Why did the chicken cross the road?” until he crouches in his chair and screams. This play’s protagonist is given a toy drum at the end of its first act, and later beats it before attempting to rape Lulu in a game of Blind Man’s Buff. This play is set at the seaside boarding house of Petey and Meg Boles, which is invaded by the sinister Goldberg and McCann. For 10 points, name this play by Harold Pinter in which Stanley Webber is abducted after the title celebration.

ANSWER: *The Birthday Party*

11. The southern approach to this city was protected by the stronghold of Nepheris. According to legend, the wife of a general from this city burned herself in the temple of Eshmun to protest his surrender. In Roman times, the Baths of Antoninus Pius were built in this city. This city lost the Battle of Himera. This city’s navy was based in a cothon, or man-made circular harbor, which maximized the number of ships that could be launched at once. After the fall of the Magonid Dynasty, this city was ruled by two officials called Suffets, and its citadel was called the Byrsa. An important part of this city’s religion involved tophets, or special altars possibly used for child sacrifice, and its gods included Tanit and Bal-Hammon. For 10 points, name this city that lost the Battle of Zama, the North African rival of Rome.

ANSWER: Carthage [or Carthaginian Empire; or Punic Empire; accept Qart-Hadast or Qart-Hadasht from Phoenician speakers and Carthago from Romans]

12. This artist choreographed a comedic “mistake waltz” for a ballet depicting the daydreams of audience members attending an all-Chopin recital. Another of this artist’s ballets uses Stravinsky’s *Concerto in D* to accompany a group of female insects who kill and devour a male insect after sex. This choreographer of *The Concert* and *The Cage* used Paul Cadmus’s painting *The Fleet’s In* as the inspiration for a 1944 ballet about three sailors on shore leave who pick up two girls and then fight over them. This artist choreographed a scene in which men dance while balancing bottles on their heads at a wedding, as well as the ballet sequences for *The King and I*. He collaborated with Leonard Bernstein on his first ballet, *Fancy Free*, and choreographed Bernstein’s songs “Cool” and “America” for a ballet about the Sharks and the Jets. For 10 points, name this American choreographer of the musicals *Fiddler on the Roof* and *West Side Story*.

ANSWER: Jerome Robbins

13. When members of this group work in teams of two, the more senior one is termed a Zaotar, while the junior assistant is called a Raspi. All members of this group are qualified to perform the jashan ceremony, used to commemorate major events such as wedding anniversaries. Members of this group who have obtained the title “Dastur” are also qualified to resolve legal disputes. Senior members of this group are the only people allowed in the pavi, a sacred space marked off by grooves in the floor. These people may carry a barsom, a sacred bundle of rods. In their primary role, they use silver tongs to place offerings into the Atash Dadgah, especially on holidays called Gahambars, such as Nowruz. For 10 points, name these clerics who conduct services inside of a Fire Temple, often by reciting the Avesta.

ANSWER: Zoroastrian Priests [or Atharvan; or Magi]

14. This material contains mesenchymal stem cells, and it also produces colony stimulating factors. It is primarily located in regions known as epiphysis, and sampling of this material is primarily done at the iliac crest. Transplants may be allogeneic or autologous, the former of which carries the risk of graft versus host disease. This material has two types, red and yellow, with the red being converted to yellow with age. Damage to this material commonly results from exposure to ionizing radiation, and is the cause of aplastic anemia. Along with the thymus, this tissue is the site of selection of lymphocytes. For 10 points, name this tissue responsible for the production of red blood cells.

ANSWER: bone marrow

15. Nina Baym wrote about this author “as feminist” in her essay “Thwarted Nature.” In a letter to his publisher, this author complained about being outsold by a “damned mob of scribbling women.” One of this author’s characters peers into a mysterious diorama exhibited by an old German Jew before burning himself to death in a lime-kiln. This author wrote a short story in which Polly Gookin is wooed by a scarecrow brought to life by Old Mother Rigby, as well as a story about a man who becomes “the outcast of the universe” after banishing himself from his wife’s house for twenty years. Another of his stories is named for a man who journeys to find the Unpardonable Sin and finds it in his heart. Herman Melville wrote a laudatory review of this author “and his mosses.” For 10 points, name this American author of “Feathertop,” “Wakefield,” and “Ethan Brand,” who published many of his short stories in his collection *Twice-Told Tales*.

ANSWER: Nathaniel Hawthorne

16. The novelist Ferdynand Goettel was forced into exile because he had been part of the first commission put together to investigate this event. This event was later investigated by the Burdenko Commission, which correctly noted that German equipment had been used. Rudolf von Gersdorff first discovered evidence of this event three years after it happened while serving as a German intelligence officer, leading to this event’s first public mention in a propaganda speech of Joseph Goebbels. The Soviet Union claimed that this event involved workers from Smolensk who had been killed by the Nazis. In reality, they were largely military officers and intellectuals killed by the NKVD. For 10 points, name this 1940 massacre of 22,000 Polish civilians by the Soviet Union.

ANSWER: Katyn Massacre

17. The presence of arsenic trioxide as one of these in the contact process led to the replacement of platinum with vanadium oxide, while barium sulfate acts as one of these substances in the Rosenmund reduction. For the Haber process, these substances include hydrogen sulfide, oxygen, and carbon monoxide. Halide compounds can act as these for Raney nickel. These may function by direct reaction with active sites or by blocking access to active sites. In some cases, these are introduced intentionally, as in the lead salts and quinoline used to halt the hydrogenation of alkynes at the formation of cis-alkenes in a reaction named for Lindlar. For 10 points, name these substances that have a detrimental effect on the activity of a catalyst.

ANSWER: catalyst poisons

18. James Scott recently wrote an introduction to this idea titled “two cheers for” it. Daniel Guérin collected writings about this idea in his anthology *No Gods, No Masters*. Murray Bookchin wrote an essay distinguishing between the “social” and “lifestyle” types of this idea, whose history is traced in Peter Marshall’s book *Demanding the Impossible*. Robert Wolff wrote a treatise “in defense” of this philosophy. Josiah Warren was an early proponent of the “individualist” type of this philosophy, which was partially inspired by Max Stirner’s *The Ego and Its Own*. One of its leading thinkers called for an “invisible dictatorship” and attacked organized religion in *God and the State*. Murray Rothbard attempted to fuse its principles with capitalism, although it is more commonly fused with syndicalism. For 10 points, name this political philosophy supported by Mikhail Bakunin, which believes that governments should be abolished.

ANSWER: anarchism [or anarchy]

19. Harold Bloom praised this work as “the best story in the world” in *The Western Canon*. In its fifth section, Peter Avdeev is senselessly shot because of a reckless advance by Poltoratsky. Its main character tells his life story to Loris-Melikov while staying in Tiflis with Prince Vorontsov, and is desperate to rescue his family from Vedeno. At the beginning of this novella, its narrator marvels at the tenacity of a broken thistle, which inspires him to think of its main character. This novella attacks the stupidity and absolutism of Nicholas I, and parallels his rule to the despotism of Shamil, who orders the title character to be hunted down and killed. It ends with a group of Russian soldiers surrounding and beheading its title character, a celebrated *naib* in the Caucasus. For 10 points, name this novella by Leo Tolstoy about the death of the title Muslim Chechen soldier.

ANSWER: Hadji Murad [or Hadji Murat]

20. One of these entities led an old woman out of a doomed city after a child mischievously rubbed red dye into the eye of a tortoise. Another of these beings killed both the inventor of weapons and a river-drinking foe; that one is responsible for chasing the sun, is propitiated in times of drought, and has a name meaning Responder. The so-called Nine Offspring of these carry out functions like carrying heavy objects, crying, and litigating; consequently, structures serving those purposes were decorated with them. Nuwa met a black one on his quest after he chopped off a tortoise’s but before he collected ash reeds. A group of them live in underwater crystal palaces and represent the North, East, South, and West Seas; those are the four “kings” of these creatures. For 10 points, name these usually benevolent creatures from Chinese mythology where they represent the only mythic member of the zodiac.

ANSWER: Chinese dragons [or long]

## Bonuses

1. This Phrygian god of vegetation was born when Nana absorbed an almond from a tree made from Mount Agdistis. This god's possible death by boar is one explanation for the restriction on eating pork among his worshippers. For 10 points each:

[10] Name this god whose similarity to other vegetation gods is extensively discussed in *The Golden Bough*.

ANSWER: Attis

[10] In addition to their shaved heads and abstinence from pork, the priests of Attis, called Galli by the Romans, were known for undergoing this process, possibly in commemoration of the event that produced Agdistis' almond tree or of a variant account of Attis' own death.

ANSWER: castration [or eviratio; accept close equivalents]

[10] Attis was later accounted as the husband of this orgiastic deity mountain deity, whom the Galli also worshipped. She was celebrated annually in the April 4th Megalesia.

ANSWER: Cybele [or Magna Mater]

2. Marian Anderson broke the color barrier at the Met by singing the fortuneteller Ulrica in this opera. For 10 points each:

[10] Name this opera in which Riccardo declares his love for Amelia before being fatally stabbed by Amelia's husband Renato. Its original subject, the assassination of Gustav III, was censored, caused its composer to change the setting to colonial Boston.

ANSWER: A Masked Ball [or *Un Ballo in Maschera*]

[10] At the beginning of the third act of *A Masked Ball*, Renato sings this aria in which he resolves to seek vengeance on Riccardo before joining the conspirators.

ANSWER: "Eri tu che macchiavi"

[10] This Italian composer wrote *A Masked Ball*, as well as operas such as *Otello* and *La Traviata*.

ANSWER: Giuseppe Verdi

3. The protagonist of this novel is stalked by a man calling himself "Frank the Phone," and gets a job in an ice cream parlor after learning that his father is actually the doorman Fat Vince. For 10 points each:

[10] Name this 1984 novel about John Self, a director of commercials whose life disintegrates after he is invited to New York by Fielding Goodney in order to shoot a film.

ANSWER: Money

[10] *Money* was written by this English author, whose other novels include *London Fields* and *Time's Arrow*. His father Kingsley wrote comic novels such as *Lucky Jim*.

ANSWER: Martin Amis

[10] This Marxist literary critic touched off a dispute with Amis by comparing his essay "The Age of Horrorism" to "the ramblings of a British National Party thug." He blamed postmodernism for distracting students of literature from political reality in *After Theory*, and presented an overview of literary criticism in his bestselling *Literary Theory: An Introduction*.

ANSWER: Terry Eagleton

4. They are composed of thousands of units known as ommatidia, each enervated by a single axon. For 10 points each:

[10] Name this anatomical feature commonly used as the sight organ in arthropods.

ANSWER: compound eye [prompt on eye]

[10] This term describes the simple pigmented eye spots of starfish and flatworms, as well as the small simple eyes found on many insects on the top of the head.

ANSWER: ocelli

[10] The compound eyes of flying and predatory insects may have some ommatidia concentrated in this area to provide acute vision. An analogous structure in the vertebrate eye retina is densely packed with cones.

ANSWER: fovea

5. Originally formulated in the book *Philosophical Explanations*, this theory consists of two conditions applied to a belief: if  $P$  were not true, then some person  $S$  would not believe that  $P$ ; and, if  $P$  were true,  $S$  would believe that  $P$ . For 10 points each:

[10] Identify this epistemic theory.

ANSWER: truth tracking

[10] The truth-tracking theory of epistemology was developed as a response to Gettier problems by this philosopher, better known for his reply to John Rawls, *Anarchy, State, and Utopia*.

ANSWER: Robert Nozick

[10] The second chapter of *Philosophical Explanations* is titled after with question, which according to Martin Heidegger is the “fundamental question of metaphysics.” Nozick opens by noting that the question seems impossible to answer.

ANSWER: “Why is there something rather than nothing?” [accept variants like “why do things exist rather than not,” prompt on any variant of “why do things exist” which doesn’t mention the alternative]

6. The torque on one of these is given by its cross product with the B-field. For 10 points each:

[10] Name this quantity, which can be understood for a planar wire loop as the current in the loop times the area bounded by the loop.

ANSWER: magnetic dipole moment [prompt on m or mu or dipole moment]

[10] The aforementioned equation for the torque on a magnetic moment dictates that this property of the system is given by minus the dot product of the magnetic moment with the B-field.

ANSWER: the standard potential energy [prompt on U]

[10] The density of magnetic moment in a material is the magnetization. This tensor shows how the magnetization changes with changes in the H-field.

ANSWER: susceptibility [prompt on chi]

7. Adherents of this tradition included Saint Columbanus, who spread it on the Continent, and their unique customs included private penance, long-haired monks, and a distinct way to calculate Easter. For 10 points each:

[10] Name this independent tradition that developed on a certain island in the Early Middle Ages, whose relics include the Book of Kells.

ANSWER: Celtic Christianity [or Irish Christianity; or Hibero-Christianity; or Insular Christianity]

[10] Monks from Ireland established this monastery off the west coast of Scotland in 563. It is from here that the Picts and Scots were first evangelized.

ANSWER: Iona Abbey

[10] The secular side of life in early medieval Ireland was governed by this traditional code of laws, which was mostly oral. This code takes its name from the judges who enforced it.

ANSWER: Brehon law

8. This essay smacks down Thomas Carlyle's racist polemic "Shooting Niagara," which argued that giving freed slaves the right to vote was like going over Niagara Falls in a barrel. For 10 points each:

[10] Name this long, rambling 1871 essay, which argues that the United States can only become a great country if its authors produce great literature. It also staunchly defends the American system of government, although it laments the shallow materialism of the post-Civil War era.

ANSWER: **Democratic Vistas**

[10] *Democratic Vistas* was written by this poet, who eulogized Abraham Lincoln in "When Lilacs Last in the Dooryard Bloom'd" and "O Captain! My Captain!"

ANSWER: Walt **Whitman**

[10] This British author praised Whitman for being the first major American author to break away from the puritan "mental allegiance to morality" in his *Studies in Classic American Literature*, which helped revive the reputation of Herman Melville.

ANSWER: David Herbert **Lawrence**

9. The 90th and last of these essays argued that the Thirty-Nine Articles were compatible with the Council of Trent. For 10 points each:

[10] Name this series of religious publications examining doctrine within the Anglican church. They were published from 1833 to 1841, and written by John Keble, Edward Pusey, and John Henry Newman.

ANSWER: **Tracts for the Times**

[10] Because of the Tracts for the Times, supporters of this 19th century religious movement were called the Tractarians. It advocated renewing Catholicism in England, and took its name from the university where many of its leaders taught.

ANSWER: **Oxford** movement

[10] The rise of the Oxford movement is described in this book's first section, which focuses on Cardinal Manning. Published in 1918, its other three sections consist of biographies of Florence Nightingale, Thomas Arnold, and General Gordon.

ANSWER: **Eminent Victorians**

10. Members of this art movement like Elsie Driggs were championed at the first show by the Whitney museum. For 10 points each:

[10] Identify this American art movement of the 1920s and 1930s, characterized by a painting of the John W. Eshelman and Sons building in Lancaster, Pennsylvania titled *My Egypt*.

ANSWER: **Precisionism**

[10] This artist of *My Egypt* drew on a William Carlos Williams poem for his painting, *I Saw the Figure 5 in Gold*.

ANSWER: Charles **Demuth**

[10] A railroad spans the right-hand side of this Precisionist's *Classic Landscape*, which depicts the Ford River Rouge plant. He also included a backgammon table in his 1931 painting, *Americana*.

ANSWER: Charles Rettew **Sheeler**, Jr.



11. This man's namesake plan created an unbroken stretch of parks along the coast of Lake Michigan, accomplished through the use of landfill. For 10 points each:

[10] Name this turn-of-the century urban planner closely associated with Chicago.

ANSWER: John **Burnham**

[10] Burnham is perhaps best known for his leading role in this 1893 event, for which the "white city" was built, also notable for its enormous Ferris Wheel.

ANSWER: World's **Columbian Exposition** [prompt on "World Fair"]

[10] This five-term mayor of Chicago was assassinated during the Columbian Exposition. His son of the same name also became a five-term mayor.

ANSWER: Carter **Harrison**, Sr

12. Benchtop units for this technique that rely on a permanent magnet have recently been introduced.

For 10 points each:

[10] Name this technique based on aligning spins of atoms in a field and flipping them with an RF signal that can provide structural information about molecules.

ANSWER: **nuclear magnetic resonance** [or **NMR** spectroscopy]

[10] This chemical is used as an internal standard for proton and carbon-13 NMR. In a proton spectrum, it appears as a singlet as it has 12 equivalent hydrogens, and its chemical shift is taken to be zero.

ANSWER: **tetramethylsilane** [or **TMS**]

[10] As TMS is not highly soluble in water, in aqueous NMR experiments it may be replaced as a standard with this sulfonic acid.

ANSWER: **DSS** [or **4,4-dimethyl-4-silapentane-1-sulfonic acid**]

13. One of this author's letters describes how the chef Vatel killed himself after mistakenly thinking an order of fish was delayed. For 10 points each:

[10] Name this woman, whose letters to her daughter Francoise are one of the best sources about French court life in the 17th century. She was a good friend of Nicholas Fouquet, and wrote many letters about his arrest and trial.

ANSWER: Madame de **Sevigne** [or Marie de **Rabutin-Chantal**]

[10] Madame de Sevigne championed Corneille over this author, although she reported enjoying his play *Esther*. This playwright may be better known for writing neoclassical tragedies such as *Andromaque* and *Phedre*.

ANSWER: Jean **Racine**

[10] Madame de Sevigne was also good friends with Madame de Lafayette, who wrote this book often considered the first French novel. This historical novel is set in the 16th century, and focuses on the title character's forbidden love for the Duke of Nemours.

ANSWER: *The* **Princess of Cleves** [or *La* **Princesse de Cleves**]

14. The term "robber baron" was originally coined in Europe to describe nobles who illegally performed this action. For 10 points each:

[10] Name this action, which was disruptive to shipping in medieval Germany.

ANSWER: charging **tolls** on the Rhine [accept River **Tolls** in general; do not prompt on "piracy"]

[10] The execution of robber barons was a major policy accomplishment of this man, who was elected Holy Roman Emperor in 1273 after a long interregnum. His dynasty monopolized the position until the 19th century.

ANSWER: **Rudolf I** [or **Rudolf** of **Habsburg**; prompt on **Rudolf**]

[10] Rudolf I also defeated the upstart Ottokar the Great at the Battle of Marchfeld, ending the golden age of this kingdom, whose ruler wears St. Wenceslas Crown.

ANSWER: **Bohemia**

15. The sixth and last of these works was composed for a five-string instrument that may have been the viola pomposa. For 10 points each:

[10] Name this group of six-movement compositions for a solo string instrument, which were probably written around the early 1720s. The first of them begins with a prelude mostly consisting of arpeggiated chords.

ANSWER: Johann Sebastian **Bach**'s **cello suites** [or ***Six Suites for Unaccompanied Cello***; or **BWV 1007-1012**]

[10] Bach's cello suites gained popularity after being recorded by this Spanish cellist, who left Spain to protest the Franco regime.

ANSWER: Pablo **Casals**

[10] Each of Bach's cello suites begins with a prelude followed by one of these dances. They were the standard opening movements of Baroque suites, and took their name from a German dance which became popular in the French court.

ANSWER: **allemandes**

16. For 10 points each, identify these cognitive biases.

[10] Melvin Lerner proposed this bias, which holds that people get the rewards or punishments that they deserve. It's often used to explain why people blame the victims of crimes like rape.

ANSWER: **just-world** hypothesis [or **belief in a just world**; or **just-world** bias; or **just-world** fallacy]

[10] In this type of selection bias, people tend to seek information that agrees with their existing opinions and ignore contrary information.

ANSWER: **confirmation** bias

[10] Kahneman, Knetsch, and Thaler measured this bias in an experiment which randomly assigned Cornell undergraduates as buyers or sellers of coffee mugs. It causes people who own an object to place more value on it than others would.

ANSWER: **endowment** bias [or **endowment** effect]

17. The solid phase diagram for these two elements contains a convergent melting point at 1147 °C and 4.30 atom percent of the lighter component, at which the liquid region touches the mix between Austenite and cementite. For 10 points each:

[10] Name these two elements whose solid microstructures include pearlite, spheroidite, bainite, and martensite.

ANSWER: **iron** AND **carbon** [or **Fe** AND **C**; prompt on **steel**]

[10] This is the name for convergent melting points like the aforementioned liquid-to-Austenite and cementite point in the iron-carbon system. These correspond to binary compositions having the lowest melting temperature, which also have the same name.

ANSWER: **eutectics**

[10] The region in lower-left corner of the iron-carbon phase diagram is Ferrite, also known by this letter, in accordance with the phase naming convention common to binary solid phase diagrams.

ANSWER: **alpha**

18. Congratulations! You and your teammates have won a trip to Slovakia. For 10 points each:

[10] Your team arrives at Milan Stefanik International Airport, located in this Danubian city, the capital of Slovakia.

ANSWER: **Bratislava** [or **Pressburg**; or **Pozsony**]

[10] Seeing only flat land around you, you quickly realize that Bratislava is on this large plain of Central Europe. It takes its name from the Latin word for Hungary.

ANSWER: **Pannonian** Plain [or **Pannonian** Basin; or **Pannonia**]

[10] To escape the unbearable monotony of the plain, your team heads north to the Slovakian/Polish border, where you see this mountain chain, a branch of the Carpathians.

ANSWER: **Tatras** Mountains [or **Tatra**; or **Tatry**]

19. The fragmentary *Cologne Epode* describes how this poet rejected Neobule and seduced her sister out of spite. For 10 points each:

[10] Name this ancient Greek lyric poet, who wrote a frequently imitated elegy about his lack of concern for throwing away his shield in battle. Another of his fragments declares that “the fox knows many things, but the hedgehog knows one big thing.”

ANSWER: **Archilochus**

[10] This later poet from Teos also wrote a poem about throwing away his shield. One of the canonical nine lyric poets, he lends his name to short poems praising love and wine.

ANSWER: **Anacreon**

[10] Another member of the nine lyric poets was this author of four books of *epinikia*, including his *Nemean Odes*, which celebrate victorious athletes.

ANSWER: **Pindar**

20. In 1902, Theodore Roosevelt sent a fleet under Admiral Dewey to help end a blockade of this nation being conducted by the UK, Germany, and Italy. For 10 points each:

[10] Name this Latin American nation where President Cipriano Castro had ceased paying foreign debts, which also had a 1895 border dispute with Great Britain under President Joaquin Crespo.

ANSWER: **Venezuela**

[10] Venezuelan independence was established by this 1821 victory for Simon Bolivar, which took place two years after the Battle of Boyaca.

ANSWER: Battle of **Carabobo**

[10] The majority of rural Venezuelans belong to this ethnic group of mixed white/black ancestry. In Venezuela and Brazil, this term, and not mulatto, is used for such people.

ANSWER: **pardos**