

## Tossups

1. In one of this composer's operas, a solo horn repeats a fanfare-like melody that is later whistled by the title character as he walks to a pub: "To try a taste of certain things / The Prayer Book catalogues among its sins." That character from that opera by this composer is mourned in a threnody by nine characters who presume him dead after the orange-blossom crown he received as the King of (\*) May is found crushed in a road. In another opera by this composer, a chorus sings that the title character is "at his exercise" before Balstrode and Swallow go to his hut. That protagonist sings "What harbor shelters peace" as Ellen Orford encourages him to return home, but he sails out to sea to kill himself. For 10 points, name this British composer of *Albert Herring* and *Peter Grimes*.

ANSWER: Benjamin Britten
2. In a poem by this author, the speaker talks of a "shape less recognizable each week" which serves "a purpose more obscure." In that poem, the speaker wonders what will happen when the title establishments "fall completely out of use" and asks, "what we shall turn them into." The speaker of another of this author's poems describes a time when "ever life became / a brilliant breaking of the bank"; a time he described as being "Between the end of the (\*) "Chatterley" ban / And the Beatles' first LP." The speaker of a third poem by him advises the subjects of that poem: "don't have any kids yourself" and begins "They fuck you up, your mum and dad". For 10 points identify this poet of "Church Going", "Annus Mirabilis", and "This Be the Verse".

ANSWER: Philip Larkin
3. In two papers, this thinker used the example of the case *Sturges v. Bridgman*, in which a doctor's work is interrupted when a confectioner moves in next door. He investigated Trinity House's attack on the use of the title object as an example of a public good in his paper "The Lighthouse in Economics." This man used Frank Stanton's testimony to argue that the Supreme Court should allow the title entity to auction radio bandwidth in "The (\*) Federal Communications Commission." In another paper, he considered an example in which a farmer is compensated when a rancher's cattle eat his crops. For 10 points, name this author of "The Nature of the Firm" and "The Problem of Social Cost", who demonstrated how individuals would privately work out externalities in his namesake theorem.

ANSWER: Ronald Coase [or Ronald Harry Coase]
4. Phrynichus was fined for one of these events that occurred too soon after the Ionian Revolt. The *didaskalos* in charge of these events would decide on the necessity of an *ekkyklema* or *prosopa*. A well-preserved site designed by Polykleitus the Younger in Epidaurus provides modern evidence of these events. A person famous because of them allegedly died when a tortoise was dropped on his head and mentioned his fighting at (\*) Marathon on his tombstone. Thespis is considered the "father" of a type of these events, which required a tent called the *skene* positioned behind the *orchestra*. For 10 points, name these productions occurring during the City Dionysia that required masks and a chorus.

ANSWER: ancient Greek plays [or tragedies; or comedies; or the City Dionysia until it is read]
5. Sharp wave ripple activity is thought to originate in this structure and propagate to the subiculum. In rodents, place cells are found in this structure, which receives input from the entorhinal cortex. This structure was removed as a treatment for epilepsy in the patient H.M. Long-term potentiation and depression are commonly investigated in the perforant path in this structure's dentate gyrus or in the Schaffer collateral synapses, which are located between the CA1 and CA3 regions of this structure. Like the (\*) amygdala and hypothalamus, this structure is part of the limbic system. This structure is necessary for the formation of new memories, since damage to it can cause anterograde amnesia. For 10 points, name this region of the brain's temporal lobe that is named for its seahorse-like shape.

ANSWER: hippocampus

6. **Orunmila is credited with developing one version of this practice that involves hundreds of odu. The Ten Wings are a group of commentaries on this practice. Information about this practice in Roman times comes from a bronze artefact named for Piacenza. This practice is performed with palm nuts called ikin by a (\*) babalawo in a Santeria ritual for performing this task called Ifá. Yarrow stalks were used to perform this action along with a book detailing sixty-four hexagrams. For 10 points, identify this task performed in traditional Chinese religion with the help of the *I Ching* or oracle bones.**  
ANSWER: divination [or telling the future; or prophesying; or obvious equivalents]
7. **A method of determining sound speed in a liquid examines ultrasound waves causing this phenomenon in light in an effect named for Debye and Sears. In several common cases, the intensity of this phenomenon can be calculated with a Cornu spiral. Electrons scattered off a nickel crystal exhibited this phenomenon in the (\*) Davisson-Germer experiment. This phenomenon arises from the interference of wavelets formed according to Huygens's principle. The near field type of this phenomenon is named for Fresnel, while another type is named for Fraunhofer. This phenomenon produces dark fringes when monochromatic light shines through a slit. For 10 points, name this phenomenon by which light bends around obstacles.**  
ANSWER: diffraction
8. **One character created by this author is nicknamed "Red Peter" because of a red gunshot wound on his cheek, from when a hunting expedition fired on him. That character created by this author is burned with a pipe by a sailor, every time he unsuccessfully tries to drink a bottle of schnapps. Another of his characters is disappointed to discover that he no longer likes the taste of milk, when he tries to eat a (\*) basin of bread and milk placed in his room. That character's family moves away his furniture to let him climb freely on the walls. A narrator of his explains how he overcame his ape nature and learned human behavior in "A Report to an Academy". For 10 points each, name this author who described Gregor Samsa's transformation into an insect in his story "The Metamorphosis".**  
ANSWER: Franz Kafka
9. **A painting set in this location depicts a woman hunched over picking flowers behind a pair of somber women; that painting, *Memory of the Garden at Etten*, is also titled for the "Ladies of" this place. The bell tower of St. Trophime lies beyond a canal in a painting set here, whose foreground is dominated by one of many "flowering orchards" that its painter depicted. An artist in this place created several portraits of Madame Ginoux, simply titled "the woman (\*) from" this place. A "yellow house" in this location contained a sparsely-decorated bedroom inhabited by a man who later entered an asylum at Saint-Remy. That man painted many vases of sunflowers and *The Night Café* while living here. For 10 points, name this town in southern France where Paul Gauguin briefly lived with Vincent Van Gogh.**  
ANSWER: Arles [or the Garden at Etten until it is read]
10. **A ruler of this country was overthrown by Mikael Sehul, which resulted in an era of decentralization known as the Zemene Mesafint. A kingdom in this modern-day country was allegedly sacked by the legendary Queen Gudit. This country won the Battle of Wayna Daga against the Adal Sultanate. The Agaw people established one dynasty in this country that was later usurped by Yekuno Amlak. The lineage of one of this country's dynasties is found in the (\*) *Kebra Nagast*. This country was ruled by the Zagwe Dynasty and was home to the Kingdom of Axum. A ruler of this country defeated the forces of Oreste Baratieri at the Battle of Adowa. For 10 points, name this country whose emperors include Menelik II and Haile Selassie.**  
ANSWER: Federal Democratic Republic of Ethiopia [or Ityop'iya Federalawi Demokrasiyawi Ripeblik]

11. **This man's charioteer is killed when a jagged rock crushes his skull and knocks out his eyeballs; the force flings this hero out of his chariot, after which he is mockingly told that he would do well diving for oysters. This person declares that the best rule is to fight for one's country, ignoring Polydamas's advice about a red snake biting the eagle carrying it. With his dying breath, this hero prophesies that the one who slew him will die at the Scaean gates. During a (\*) duel with that slayer, a fit of cowardice leads this person to run three times around his city walls until Athena intervenes, and his corpse is dragged around by a chariot after he is slain by Achilles. For 10 points, name this eldest son of Priam and brother of Paris, the foremost warrior of Troy.**  
ANSWER: Hector
12. **Landslides have produced scalloped margin domes on this body that resemble a round body surrounded by legs, and were thus formerly known as "ticks." The Japanese probe Akatsuki is planning to visit this body in 2016. Brightening of the radar reflections off its surface is posited to be due to deposition of pyrites and sulfides in highland regions such as (\*) Lakshmi Planum. It has only a weakly induced magnetic field; the lack of a dynamo-generated field is thought to indicate a lack of core convection, perhaps due to its lack of plate tectonics. The northern highland region of Ishtar Terra is found on this planet, whose day is longer than its year. For 10 points, a runaway greenhouse effect occurs on what second planet from the Sun?**  
ANSWER: Venus
13. **This city replaced the older Phaleron and was built according to the Hippodamian Plan. During the Spartan hegemony, the general Sphodrias treacherously tried to capture this city. This city was seized by exiles from Phyle at the Battle of Munichia, and subsequently became the base for Thrasybulus' resistance against the Thirty Tyrants. This setting for Plato's (\*) *Republic* was the epicenter of the plague that struck Athens during the Peloponnesian War, since its population was hemmed in. Lysander won the Peloponnesian War by blockading this city, which was connected to its mother city by the Long Walls. For 10 points, name this major port city of Athens.**  
ANSWER: Piraeus
14. **When one character in this play asks what name you would give to partying in the midst of war, another character replies "therapy, British style." In a scene from this play, a woman taunts a police officer by pointing to his baton and declaring "it's the one you carry under your knickers that counts." At the end of the third act the main character is denounced by his son who declares "I have no father, eater of left-overs." During this play's first act, that character tells the tale of the (\*) Not-I bird to the Praise Singer. Sergeant Amusa is relieved of duty after he refuses to talk to a character in this play who is wearing a sacred *egungun* garment as a party costume. Upon seeing the corpse of his dead son, Olunde, Elesin strangles himself to death in this play. For 10 points, name this play by Wole Soyinka.**  
ANSWER: *Death and the King's Horseman*
15. **This thinker argued that philosophy's attempts to create natural meaning by erasing the metaphorical origins of the words it uses is doomed because of the fundamental "irreducibility of metaphor". He argued that communication is structured by the necessity of being repeatable even in the absence of a receiver, which he calls "iterability". A work by him analyzes Western philosophy's tendency to characterize the pure (\*) presence of voice as something that is violated by the mediation of writing. That work infamously declares: "There is nothing outside the text". This author of *Margins of Philosophy* introduced the concepts of "logocentrism" and *différance*. For 10 points, name this French Poststructuralist author of *Of Grammatology*, the father of Deconstruction.**  
ANSWER: Jacques Derrida

16. **While this character is on a vacation with his parents, he prays to God that the ceiling of Carlsbad Caverns doesn't collapse. This character drives a Cadillac with bumper stickers from the John Birch Society, and his son Robert served as a Green Beret in Vietnam. He witnesses the death of a former teacher from Indianapolis who stole a teapot from the wreckage of a (\*) raid. This character is killed by a laser gun fired by Paul Lazzaro. He is kidnapped by aliens that look like toilet plungers, who exhibit him in a zoo with the actress Montana Wildhack, and he witnesses the firebombing of Dresden during World War II. For 10 points, name this former soldier who becomes "unstuck in time", the protagonist of Kurt Vonnegut's *Slaughterhouse-Five*.**  
ANSWER: Billy Pilgrim [accept either name]
17. **One of this composer's works begins with an ascending unison D–D–D–A long–long–short–long figure followed by its inversion in the next measure. In the second bar of another of this composer's works, the bassoons, cellos, and basses enter in with a C-minor *Dies Irae* theme in 3/4 time played in quarter notes, after a prolonged timpani roll on an E-flat. A B-flat major movement likened to a sunrise begins the fourth of his Opus (\*) 76 String Quartets, dedicated to Count Erdödy. An F-sharp minor work by this composer ends with the players gradually exiting the stage until only two remain. This composer's final dozen symphonies are called the *London Symphonies*. For 10 points, name this composer of 104 numbered symphonies, including the *Drumroll*, *Farewell*, and *Surprise*.**  
ANSWER: Joseph Haydn [or Franz Joseph Haydn]
18. **During a game at Illinois, fans taunted this school's team by chanting "Just Say No" in reference to its small forward's arrest at a supposed "crack house." Before a Final Four game, its players visited the hotel room of Muhammad Ali, who surprised them by knowing their names. The Ed Martin scandal erased two of this school's Final Four appearances, which it made with a team whose success popularized black (\*) socks and long shorts in basketball. This school lost an NCAA title game when, down 2 with 11 seconds left, its best player called for a timeout he didn't have. This school's 1991 recruiting class included Juwan Howard, Jalen Rose, and Chris Webber. For 10 points, name this university attended by the "Fab Five," who failed to bring a championship to Ann Arbor.**  
ANSWER: University of Michigan Wolverines
19. **This property is approximated by a method that evaluates the relative energy difference of a system, given energies from dispersion forces, intermolecular forces, and hydrogen bonds. This property is measured by a parameter equal to the square root of the heat of vaporization minus RT over the molar volume, which is named for Hildebrand. The salt, temperature, and pressure effects influence an equilibrium constant linked with this property that notably doesn't have a denominator. The (\*) common ion effect reduces this property. This property of a gas is directly proportional to the gas's partial pressure in Henry's Law. Whereas aluminum hydroxide doesn't have this property, sodium nitrate does. For 10 points, name this property that is the degree to which a substance dissolves in solution.**  
ANSWER: solubility [or word forms]
20. **A plantation close to this large city run by Nathanael Greene was where Eli Whitney reportedly conceived of the cotton gin. During the American Revolution, a battle near this city featured extensive participation from volunteer riflemen and slaves from Saint-Domingue, and Casimir Pulaski was mortally wounded during that battle. While traveling to this port city, a group created (\*) "neckties" by twisting rails around trees. In December 1864, Abraham Lincoln received a telegram saying he had received this city "as a Christmas gift." This was the ending point of the "March to the Sea" started by William Sherman in Atlanta. For 10 points, name this original colonial capital of Georgia, a port city which shares its name with the river that is the border between South Carolina and Georgia.**  
ANSWER: Savannah [or Port Wentworth until "Saint-Domingue" is read]

## Bonuses

- Langston Hughes wrote that we should “Hold fast to [these things]”, for “if [these things] die, / Life is a broken-winged bird / That cannot fly”. For 10 points each:  
[10] Name these experiences, which partly title 385 *Songs* about the wanderer Henry by the 20th-century poet John Berryman.  
ANSWER: **dreams**  
[10] This American poet of “Ulalume” asked “Is *all* that we see or seem / But a dream within a dream?” He also described a bird perched on a bust of Pallas in “The Raven”.  
ANSWER: Edgar Allan **Poe**  
[10] Berryman dedicated twelve elegies among his *Dream Songs* to this other poet, whose own work included the failed epic *Genesis* and a story in which a man sees his parents’ romance on film, “In Dreams Begin Responsibilities”.  
ANSWER: Delmore **Schwartz**
- Answer the following about revolutions in physics, for 10 points each.  
[10] A revolution in the design of these systems was sparked by the publication of Mead & Conway’s textbook about them. This term is applied to basically any integrated circuit with greater than 10,000 transistors.  
ANSWER: **VLSI** [or **very-large-scale integration**; or **ULSI**; or **ultra-large-scale integration**]  
[10] The November revolution was precipitated by the discovery of the J/psi meson, which was a bound state of this second-gen quark and its antiquark.  
ANSWER: **charm** quark  
[10] Probably the biggest revolution in physics is still the development of this branch of physics that departs from classical mechanics at ultra-small length scales. Its mathematical formulations include the Copenhagen interpretation.  
ANSWER: **quantum** mechanics [or **quantum** physics; or **QM**; or **quantum** theory]
- This humanist work served as an introduction to its author’s 900 theses, which purported to offer a basis for the discovery of all knowledge. For 10 points each:  
[10] Name this public discourse by Pico della Mirandola, which defends the liberal arts by referring to Mosaic and Christian mysteries. This work recalls Abdala the Saracen describing the title figure as the greatest marvel of nature.  
ANSWER: *Oration* **on the Dignity of Man** [or *De hominis dignitate*]  
[10] This philosopher’s biological classification is one of the sources of the “great chain of being” described in Mirandola’s *Oration*. He discussed the pursuits of *eudaimonia* in his *Nicomachean Ethics*.  
ANSWER: **Aristotle** [or **Aristoteles**]  
[10] Mirandola’s *Oration* supports this philosophical position, which he defended in a namesake 1541 treatise. Socrates’ concept of *anamnesis* and the affinity argument are used to defend this position in *Phaedo*.  
ANSWER: **immortality** of the **soul** [or obvious equivalents for “immortality”, such as **eternity**]
- This socioeconomic region is generally considered to begin in central New York and extends west to the Midwest. For 10 points each:  
[10] Give this nickname for the large post-industrial region in the middle of the United States that has suffered from population decline and social decay from the loss of manufacturing jobs.  
ANSWER: **Rust Belt** [or **Factory Belt**; or **Steel Belt**]  
[10] This major Rust Belt employer was recently bought out by an Italian company. This company ran the “Imported from Detroit” and “Half Time in America” ad campaigns.  
ANSWER: **Chrysler** Group LLC  
[10] This political scientist, who decided to not vote for Bush in 2004 on account of three major mistakes, considered the transition of the Factory Belt into the Rust Belt as part of a broader series of social changes in his *The Great Disruption*.  
ANSWER: Yoshihiro Francis **Fukuyama**

5. This man advocated reform of the British Royal Navy by publishing a pamphlet called “The Sailors Advocate.” For 10 points each:  
[10] Name this British member of Parliament who is best known for founding a colony in North America to be a home for the poor and those released from debtors’ prisons.  
ANSWER: James Edward **Oglethorpe**  
[10] Oglethorpe founded the American colony that became this Southern state. Its formation was also intended to protect British colonies from potential invasions coming from nearby Spanish Florida.  
ANSWER: **Georgia**  
[10] During the War of Jenkins’ Ear, Oglethorpe led British troops against the Spanish in this battle fought in July 1742 on St. Simons Island. Its name refers to the high level of Spanish casualties that reportedly stained the location where this battle was fought.  
ANSWER: Battle of **Bloody Marsh**
6. This director shot a scene in which a girl displays the title anatomical feature while climbing a ladder to pick cherries. For 10 points each:  
[10] Name this late member of the French New Wave, whose *Six Moral Tales* collection includes *Claire’s Knee* and *My Night at Maud’s*, a film in which Jean-Louis makes intellectual conversation with a sexy divorcée trying to seduce him.  
ANSWER: Eric **Rohmer** [or Maurice Henri Joseph **Scherer**; or Jean Marie Maurice **Scherer**]  
[10] Rohmer’s films *My Night at Maud’s* and *The Marquise of O* earned accolades, but didn’t win the Palme d’Or, at this annual film festival that takes place in a town on the French Riviera.  
ANSWER: **Cannes** Film Festival  
[10] This other French New Wave film, directed by Francois Truffaut, ends with Catherine plunging her car into a river, finally destroying the treasured friendship shared by the two title men who love her.  
ANSWER: **Jules and Jim** [or **Jules et Jim**]
7. Purportedly, the publisher Victor Gollancz wished this book to be printed without its second part, which is dedicated to figuring out why not all people are socialists. For 10 points each:  
[10] Name this work that describes the conditions of coal miners and the unemployed in the north of England in the 1930’s.  
ANSWER: *The **Road to Wigan Pier***  
[10] *The Road to Wigan Pier* is by this English author who introduced the terms “doublethink”, “Big Brother”, and “thoughtcrime” in his novel *1984*.  
ANSWER: George **Orwell** [or Eric **Blair**]  
[10] In the three-tiered class system of Oceania in *1984*, this is the term for the uppermost class, of which O’Brien is the only character shown in the novel.  
ANSWER: **Inner Party**
8. The three most common types of this technique are aggregate analysis, the accounting method, and the potential method. For 10 points each:  
[10] Name this technique for analyzing an algorithm’s runtime in which one averages over a worst-case *sequence* of operations. Hence, it is concerned with the actual runtime.  
ANSWER: **amortized analysis** [do NOT accept other answers]  
[10] Robert Tarjan introduced amortized analysis as a formal method and developed a wide array of data structures. With Daniel Sleator, Tarjan created splay trees, which are self-adjusting examples of the “search” type of these trees.  
ANSWER: rooted **binary** search tree [or a **bifurcating arborescence**; or **2-ary** tree; prompt on “k-ary”, “M-ary”, or “N-ary” “tree”]  
[10] As amortized analysis gives an upper bound on an algorithm’s run time, it uses this notation. A less common alternative is big Omega, which gives an asymptotic lower bound.  
ANSWER: **big O** notation [or **big Omicron**]

9. Eric of Pomerania became king of this personal union when he turned 18. For 10 points each:  
[10] Name this personal union, under which Sweden, Denmark, and Norway were united until 1523.  
ANSWER: **Kalmar** Union  
[10] This person summoned the three Riksrådet of Sweden, Denmark, and Norway in 1397 to form the Kalmar Union and served as effective ruler of the realm after Eric was declared king.  
ANSWER: **Margaret I** of Denmark [prompt on “Margaret”]  
[10] Gustavus Vasa, who brought about the end of the Kalmar Union, confiscated land from these religious institutions during the Swedish reformation. Most medieval manuscripts were produced in these institutions.  
ANSWER: **monasteries**
10. The original version of this piece called for a chorus of trolls yelling for the protagonist to be killed. For 10 points each:  
[10] Name this piece that opens with a soft alternation of a B minor melody, alternating between celli plus basses and bassoons plus contrabassoons, before building to a wild frenzy. It follows “Anitra’s Dance” in a certain suite.  
ANSWER: “**In the Hall of the Mountain King**” [or *I Dovregubbens hall*]  
[10] “In the Hall of the Mountain King” is the last movement of the first *Peer Gynt Suite* by this Norwegian composer of the *Holberg Suite*.  
ANSWER: Edvard **Grieg** [or Edvard Hagerup **Grieg**]  
[10] The third movement of the *Holberg Suite* is one of these Baroque dances, which usually start on the third of four beats. François-Joseph Gossec’s most famous piece is one of these, and a celebrated one with variations ends Rameau’s *Suite in A minor*.  
ANSWER: **gavotte**
11. When people with high technical skills do this *en masse*, it can lead to “brain drain.” For 10 points each:  
[10] Name this phenomenon often studied in human geography, by which people relocate from one country to another.  
ANSWER: **immigration** [or **emigration**]  
[10] This term describes factors that *encourage* potential immigrants to move *to* a specific destination, such as especially good job opportunities in the target country.  
ANSWER: **pull** factors [do NOT accept “push factors”]  
[10] Unlike immigration, which is usually permanent, this type of population movement, in which people follow their herds of livestock, is usually cyclical with the seasons.  
ANSWER: **transhumance**
12. This god claims that the ruler of Njord’s mouth was used as a piss-pot during a *flyting* in a poem from the Prose Edda named for him. For 10 points each:  
[10] Name this god, who was forced to ask the Sons of Ivaldi to fashion a golden headpiece for Sif.  
ANSWER: **Loki** [or **Loptr**; or **Hveðrungr**]  
[10] This dwarf bet his head that he and his brother Eitri could fashion more beautiful items after the Sons of Ivaldi fashioned Sif’s hair, Gungnir, and the boat Skiðblaðnir.  
ANSWER: **Brokkr**  
[10] This thunder god’s hammer, Mjöltnir, was the most famous of the items fashioned by Brokkr and Eitri.  
ANSWER: **Thor**

13. A woman of this name watches her lover get crushed by a boulder in a poem by Spanish Golden Age poet Luis de Gongora. For 10 points each:  
[10] Give this name also held by another literary woman, Aurelio's shepherdess daughter, who titles a mock-pastoral novel set near the Tagus river.  
ANSWER: Galatea  
[10] This author, who included a conversation between two dogs in his twelve *Exemplary Novels*, wrote of Elicio and Erastro, two friends who both love that same shepherdess, in his *La Galatea*.  
ANSWER: Miguel de Cervantes Saavedra  
[10] Cervantes also created this delusional knight-errant, who seeks to disenchant his imagined lady Dulcinea so as to restore her beauty.  
ANSWER: Don Quixote de La Mancha [or Alonso Quijano the Good; prompt on "Knight of the Sorrowful Face"]
14. This kind of process happens at the start of Norrish Type I reactions and just before the rearrangement in the Stevens rearrangement. For 10 points each:  
[10] Identify this kind of bond-breaking symbolized by fishhook arrows, wherein each atom retains one of the electrons from the bond.  
ANSWER: homolytic cleavage [or word forms, such as homolysis]  
[10] Homolytic cleavage of a neutral molecule generates two of these extremely-reactive species with unpaired electrons, which can wreak havoc in the human body unless stopped by antioxidants.  
ANSWER: free radicals  
[10] The "nitrite" type of this functional group undergoes photolytic homolytic cleavage in the Barton reaction. A beta-hydroxy one is the output of the Reformatsky reaction.  
ANSWER: ester
15. The historian Justin identified this king with the decadent Sardanapalus, but this is definitely wrong as he wasn't actually the last king of his empire, among other inconsistencies. For 10 points each:  
[10] Name this son of Esarhaddon, who names a famous library containing thousands of Akkadian texts, including the *Epic of Gilgamesh*.  
ANSWER: Ashurbanipal [or Assur-bani-apli]  
[10] Ashurbanipal was the last *great* king of this empire, which made its capital at its namesake city, Dur-Sharrukin, Nineveh, and Harran in turn. Its ruler Sennacherib was famously repulsed from Jerusalem.  
ANSWER: Assyria [or Neo-Assyrian Empire]  
[10] Ashurbanipal carried out a brutal sack of this capital of the Elamite kingdom. Darius the Great later made this city the winter capital of the Persian Empire.  
ANSWER: Susa [or Shushan]
16. This leader of the ominously-named "Cabal of Naples" painted that city's patron saint, Januarius, emerging unscathed from a furnace. For 10 points each:  
[10] Identify this artist who painted a jolly-looking *Clubfooted Boy* and multiple canvases of St. Bartholomew being flayed. While working in Italy, he was given a diminutive nickname referencing his nationality.  
ANSWER: Jusepe de Ribera [or Jose de Ribera; or Giuseppe de Ribera; or Lo Spagnoletto; or The Little Spaniard]  
[10] Ribera, and the later Murillo and Zurbaran, were the foremost Spanish painters in this period of art characterized by dramatic tension and lighting effects. Caravaggio is the best-known Italian painter from this period from around 1600 to 1750.  
ANSWER: Baroque art  
[10] This term, from the Italian for "murky", refers to an extreme version of chiaroscuro pioneered by Caravaggio. Paintings in this style contrast a predominantly dark canvas with patches of light.  
ANSWER: tenebrism

17. Charles II of England made this city the base for his court-in-exile. For 10 points each:  
[10] Name this city, whose militia murdered a French garrison in a 1302 incident known as the “Matins.” An inn in this city became the world’s first “bourse,” giving rise to a modern word for stock exchanges.  
ANSWER: **Bruges** [or **Brugge**]  
[10] Bruges’s militia also assisted in the crushing of French knights at this 1302 battle, after which the citizens of Bruges identified French in their city by asking them to pronounce “shield and friend” and murdered them.  
ANSWER: Battle of the **Golden Spurs** [or Battle of **Courtrai**; or **Guldenspurenslag**; or Bataille des **éperons d’or**]  
[10] This region’s count allied with the militia of Bruges at the Battle of the Golden Spurs. This region now consists of the Dutch-speaking part of Belgium.  
ANSWER: **Flanders** [or **Vlaanderen**]
18. The Qur’an depicts this man as attempting to stop the worship of the Golden Calf initiated in Moses’ absence, instead of leading it. For 10 points each:  
[10] Name this brother of Moses, who let his rod turn into a snake.  
ANSWER: **Aaron** [or **Harun**]  
[10] This is the term for Jewish priests who are required by the *halakha* to be descended from Aaron. It gave rise to a common Jewish surname.  
ANSWER: **Kohanim** [or **Cohen**; or **Kohn**; or al-**Kahen**]  
[10] There are this many priestly clans in the Bible, each of which were assigned a weekly watch by King David. There are this many books in the Tanakh.  
ANSWER: **24**
19. This novel was banned by the Vatican and led to its author being anathematized by Orthodox Christianity. For 10 points each:  
[10] Name this novel in which Jesus, as a carpenter, builds crosses for the Romans to use in crucifixions before struggling with the necessity of being crucified himself.  
ANSWER: *The **Last Temptation of Christ***  
[10] The first title character is writing a novel-within-a-novel about Jesus Christ and Pontius Pilate in this work by Mikhail Bulgakov, in which Satan appears in the guise of Professor Woland.  
ANSWER: *The **Master and Margarita***  
[10] This 20th-century French Catholic author expanded and commented on the gospels in his *Life of Jesus*. The title character poisons her husband Bernard in his novel *Thérèse Desqueyroux*.  
ANSWER: François **Mauriac**
20. Diverticula are rich in the V-shaped “sigmoid” part of this organ. For 10 points each:  
[10] Identify this digestive organ whose final straight portion, the rectum, feeds into the anus.  
ANSWER: **large intestine** [or **colon**]  
[10] Unlike in Crohn’s disease, the large intestine is the only organ affected by this unpleasant inflammatory bowel disease, in which open sores throughout the intestine result in constant bloody diarrhea.  
ANSWER: **ulcerative colitis** [or **UC**]  
[10] The large intestine is crucial for the absorption of this water-soluble vitamin, whose namesake epoxide reductase is the target of Warfarin.  
ANSWER: Vitamin **K**