



NSC 2018 - Round 17 - Tossups

1. A study of advanced industrial society by a thinker born in this country advocates the "great refusal" of the false needs created by ideology. This country is the birthplace of an author who claimed that "a wrong life cannot be lived rightly." That maxim appears in a writer from this country's "reflections on damaged life," *Minima Moralia*. That thinker born in this country, one of two authors of a book that accuses modern capitalism of having created a (*) "culture industry," claimed that writing poetry after Auschwitz was barbaric. This country is the home of both authors of *Dialectic of Enlightenment*. For 10 points, name this country, the birthplace of Theodor Adorno and other writers from the Frankfurt School.

ANSWER: Germany [accept Deutschland, German Empire, Weimar Germany, or Nazi Germany]

<Boyd, RMP - Philosophy>

2. Because she is "too busy feeling grief," the protagonist of this novel wears her overalls while burying her husband, whom she calls "the son of Evening Sun." The critic Henry Louis Gates praised a passage in this novel in which the protagonist's sexual blossoming is compared to a "thousand sister calyxes arching" of a pear tree. This novel's protagonist is raised by her grandmother Nanny after she was abandoned by her (*) mother Leafy. In this novel, the main character is put on trial for shooting her husband after he becomes infected with rabies during a hurricane. Men named Logan Killicks and Tea Cake are husbands of Janie Crawford, the protagonist of, for 10 points, what novel by Zora Neale Hurston?

ANSWER: *Their Eyes Were Watching God*

<Jose, Literature - American>

3. An Indiana man named Henry Brocj (Brock) was so inspired by this work that he shot and killed 15-year-old Edward Manson. Oscar Micheaux's (MEE-show's) *Within Our Gates* is a corrective response to this work. After a campaign of stink bombs and egg throwing, William Monroe Trotter convinced Boston officials to ban this work that had passed the National Board of Censorship with only minor alterations. Joseph Carl Breli (*) composed a three-hour score for it which was played by full orchestras. This work quotes from *The History of American People*, a book written by a man who supposedly called it "writing history with lightning." A Thomas Dixon book was the basis for this film, which was screened for Woodrow Wilson. For 10 points, name this D. W. Griffith film noted for its heroic depiction of the Ku Klux Klan.

ANSWER: *The Birth of a Nation* [or *The Clansman*]

<Bentley, History - American>

4. Exposing one part of these devices to a periodic UV laser creates a spectral filtering device called a namesake type of Bragg grating. A parabolic spatial profile characterizes the graded-index type of these devices. The resistance of these devices to bend losses depends on their numerical aperture. Whether or not these devices possess one or multiple transverse modes depends on the relative (*) diameters of the core and cladding. These specialized waveguides utilize repeated total internal reflection to allow light, and thus information, to efficiently travel large distances. For 10 points, name these devices which Google is using to provide high-speed internet around the country.

ANSWER: **optical fibers** [accept **fiber optic** devices; prompt on **fibers** or **waveguides**]

<Busse, Science - Physics>

5. A 173 AD cavalry battle fought on the ice of this body of water began when fleeing warriors of the Iazyges (eye-uh-ZIG-eez) tribe turned to face a pursuing legion. Raids on Moesia, the province south of this body of water, prompted two invasions that both turned on decisive battles at Tapae. Wooden arches and twenty masonry pillars were used as the base of a massive bridge built over this river by Apollodorus of Damascus just east of a gorge known as the Iron Gates. (*) Roman troops crossed this river to destroy the city of Sarmizegetusa, the capital of Decebalus's Dacian Kingdom, in a campaign depicted on the spiraling reliefs of Trajan's Column. For 10 points, the northern border of the Roman empire was defined by the Rhine and what second-longest river in Europe?

ANSWER: **Danube** River [or **Donau**; or **Danubius**; or **Ister**]

<Brownstein, History - European>

6. When two men accuse this play's protagonist of participating in a stock inflation scheme, he scares them off by brandishing an umbrella. That character's final line is a statement that "the strongest man in the world is he who stands alone." A schoolteacher in this play has a conversation in which she laments having to tell lies to children. An article written by this play's protagonist for the newspaper "The People's Messenger" is opposed by his brother, the town (*) mayor. In the final act of this play, the protagonist discovers that Morten Kiil's tannery is the root cause of a syphilis outbreak. For 10 points, name this Henrik Ibsen play in which Thomas Stockmann discovers the contamination of a town's baths and is then exiled.

ANSWER: *An **Enemy of the People*** [or *En **folkefiende***]

<Minarik, Literature - European>

7. Three albums on Nonesuch Records by Joshua Rifkin helped to revive interest in this style during the 1970s. The "Graceful Ghost" is among the dozens of pieces William Bolcom has written in this style. A song whose title mentions this style asks "if you want to hear 'Swanee River' played in" this style; that song was an Irving Berlin hit about a (*) "Band" led by "Alexander" that performed it. Joseph Lamb and James Scott were among the "Big Three" composers in this genre, as was the composer of the opera *Treemonisha*. Cakewalks are often considered a precursor to this genre due to their shared syncopation and origins in African-American music. "The Entertainer" is a piece in, for 10 points, what genre pioneered by Scott Joplin?

ANSWER: **ragtime** [accept "**Alexander's Ragtime Band**"]

<Kothari, Arts - Music>

8. Mark Twain negatively compared this sect to the Spanish Inquisition in a book titled for it. A seminary that shares its name with this sect was founded by one of the leaders of the New Thought movement, Emma Curtis Hopkins. This sect holds that illusions about death separate one's "mortal mind" from God's "divine Mind." The founder of this sect "rose again" on the third day after slipping on ice, several years after being treated by the mesmerist Phineas Quimby. The (*) Mother Church of this sect is undergoing renovations in Boston, but its Reading Room is open. Its main text offers a "Key to the Scriptures" and argues that sickness can only be cured with prayer healing. For 10 points, name this denomination founded by Mary Baker Eddy that publishes a namesake *Monitor* newspaper.

ANSWER: **Christian Science** [or The First **Church of Christ, Scientist**]

<Bentley, RMP - Bible/Christianity>

9. One of these things is paired with a library in the title of a novel about William Beckwith and Lord Charles Nantwich by Alan Hollinghurst. The first of these things with a rounded floor was designed by Alvar Aalto for the Villa Mairea. Two palm trees and a director's chair appear behind one of these objects that has been disturbed in a 1967 painting by the British artist of *Mr. and Mrs. Clark and Percy*, (*) David Hockney. Montgomery, Alabama's government closed these facilities in Oak Park and funneled money to YMCA to maintain segregation. Vert skateboarding developed in empty examples of these things. The "Olympic" size of these things is 50 meters. For 10 points, name this type of backyard feature whose below-ground variety often includes a diving board.

ANSWER: swimming **pools** [accept *The Swimming-Pool Library*; accept **library** until read]

<Bentley, Mixed/Other/General Knowledge>

10. Maurice Mignotte (meen-YUT) used this result to develop a scheme to solve the secret sharing problem. The Good–Thomas algorithm uses this result to break down one Fourier transform into two smaller ones. The application of this result to polynomials is used in an interpolation technique named after Lagrange. Computer arithmetic with extremely large integers can take advantage of this result by conversion from a set of least positive residues. Carl Friedrich Gauss was the first person to illustrate this theorem, which requires that its inputs be (*) relatively prime, using a system of modular congruences. For 10 points, name this theorem from number theory, first stated by Sunzi and often illustrated using groupings of soldiers.

ANSWER: **Chinese remainder** theorem

<Minarik, Science - Math>

11. One leader of these people filed the Seven Grievances and originally divided his armies into yellow, white, blue and red colors. Women from this ethnic group popularized the qipao (CHEE-pow) dress. One ruler from this ethnic group issued the Sacred Edict and sponsored the world's largest encyclopedia. These people were unified under (*) Nurhachi (noor-HAH-chee), who developed the Eight Banners, and later changed their name from the Jurchen. This ethnic group forced the men they conquered to grow a ponytail called a queue. In a territory traditionally named for these people, the Japanese established a puppet state under Puyi. Beginning in the 17th century, they dominated the Han. For 10 points, name these people who ruled China's Qing dynasty.

ANSWER: **Manchu** [or **Man**; or **Manchurians**; or **Mandzhu**; or **Mandju**; or **Mandzhuri**; or **Niuchi**; accept **Jurchen** before mentioned; prompt on **Qing** before mentioned; prompt on **Chinese**]

<Bentley, History - World>

12. In a song from this musical, a character who claims "every time it matters all my words desert me" repeatedly asks "where am I going to?" and "what happens now?" Mary Main's book *The Woman with the Whip* likely inspired this musical, in which the company sings the Latin hymn *Salve Regina* (SAL-vay reh-JEE-na) during a song performed at its title character's funeral. A game of musical chairs accompanies "The Art of the Possible" in this musical, which includes the songs (*) "Another Suitcase in Another Hall" and "Oh What a Circus." Its title character declares "The truth is, I never left you" in a song performed from the balcony of the Casa Rosada. For 10 points, name this musical by Tim Rice and Andrew Lloyd Webber in which "Don't Cry For Me, Argentina" is sung by the second wife of Juan Perón (WAHN pair-OWN).

ANSWER: Evita

<Carson, Arts - Misc>

13. The metallochaperones Atx1 (A-T-X-one) and Ccc2 (C-C-C-two) regulate intracellular levels of this metal. For eukaryotes, zinc and this metal are contained in the enzyme superoxide dismutase (dis-MYOO-tase). An alloy of this element, indium, gallium, and selenium comprises a thin film layer in a type of second-generation solar cell. After chromium, this is the lightest element that violates the (*) aufbau (OWFF-bough) principle, due to the transfer of a 4s (four-S) electron to complete the 3d shell. Aldoses turn brick red in a solution containing this metal's sulfate, Benedict's reagent, although it produces a blue-green color in flame tests. For 10 points, identify this element found above silver and gold on the periodic table, whose symbol is Cu.

ANSWER: copper [or Cu until read]

<Prieto, Science - Chemistry>

14. This writer titled one poem for a feeling "begotten by Despair, upon Impossibility," which he later describes as "the conjunction of the mind, and opposition of the stars." He describes how the mind "annihilates all that's made to a green thought, in a green shade" in the title natural setting of another poem, which he wrote while tutoring the daughter of Thomas Fairfax. This author of "The Definition of Love" recommended behaving like (*) "birds of prey" rather than "languishing" in another being's "slow-chapped power" in one poem. In that poem, this poet of "The Garden" invokes "Deserts of vast eternity" and "Time's winged chariot" to seduce the title character. For 10 points, name this English poet of "To His Coy Mistress."

ANSWER: Andrew Marvell

<Bollinger, Literature - British>

15. In the 1920s, Hans Prinzhorn (PRINTS-horn) canvassed mental institutions for examples of people engaging in this practice. The psychiatrist Mary Huntoon had patients engage in this practice to achieve a synthesis through self-discovery. According to Viktor Lowenfeld's model, dawning realism is the fourth stage in a child's development of this skill. Lead poisoning from this activity may have contributed to a man's stay in the Saint Paul Asylum in (*) Saint-Rémy (san-ray-MEE) in 1889. DDS is an assessment that can be used in a form of "expressive therapy" that asks people to perform this activity and assesses the results based on factors such as number of colors used. For 10 points, mental illness likely led a man famous for what creative activity to cut off his ear while living with Paul Gauguin (go-GAN)?

ANSWER: making art [or drawing; or painting; or equivalents; accept art therapy]

<Bentley, Social Science - Psychology>

16. This political unit was re-established by the man who also wrote its law code, Gil Alvarez Carrillo de Albornoz. Ignazio Danti was commissioned to create a Gallery of Maps documenting the extent of its lands. Lands from this polity were incorporated into the departments of Trasimène and Tibre by Napoleon I. It reached its greatest territorial bounds under a ruler who allied with Louis XII, Maximilian I and Ferdinand II to form the (*) League of Cambrai (com-BRAY). Justification for control over this territory was provided via the Donation of Pippin. Until the Franco-Prussian War, French troops protected the remnants of this polity after other territories left during the Risorgimento. For 10 points, name this group of territories in Italy controlled by the head of the Catholic Church.

ANSWER: Papal States [or Pontifical States; or Ecclesiastical States; or Stato della Chiesa; or Status Ecclesiae; accept State of the Church before the end; prompt on Roman States]

<Bentley, History - European>

17. Kings crowned at Tara could make a stone scream three times by hitting it with one of these things. One of these things owned by a god of the sea was called the Answerer because people pressed with it could not lie. The phrases "Take me up" and "Cast me away" appear on opposite sides of one of these things, another of which can produce rainbows and was used by Fergus Mac Róich (mak ROHSH) to destroy three hilltops. Part of one of these objects contains a tooth of (*) St. Peter and a hair of St. Denis (duh-NEE); that one was supposedly made of the same materials as Curtana and Joyeuse (jwah-YOOZ). After the battle of Camlann, Bedivere is ordered to throw one of these weapons into a lake. For 10 points, name this type of weapon, examples of which include Durendal and Excalibur.

ANSWER: swords [prompt on weapons or blades before "weapons"]

<Grames, RMP - Other Myth>

18. A technique known as "typing" of these organisms is used to find the DT classification of *Salmonella typhimurium*. One of these organisms has the Gam protein, which inhibits binding of RecBCD nuclease. The N and Q proteins in one of these organisms can prevent transcriptional termination. Some of these organisms in the "T-even group" are commonly used as model organisms. These organisms were labeled with radioactive (*) phosphorus or sulfur to show that DNA was the genetic material in the Hershey–Chase experiment. One type of these organisms is made of a head, collar, and base plate. These organisms, which can undergo the lytic or lysogenic cycle, include the T2 and lambda types. For 10 points, name these viruses that infect bacteria.

ANSWER: bacteriphages [accept lambda bacteriophage until "T-even group" is read; prompt on viruses until read]

<Ramaswami, Science - Biology>

19. A character in this play calls on "vendors of grain-eggs-pulse-and-vegetables" and "garlic-tavern-keepers of bakeries" to prevent the actions of a group of Scythian archers. Another character in this play repeatedly runs off to fetch things, including two different types of perfume, to bring to Cinesias (kye-NEE-see-us). When half of this play's chorus appears carrying torches, the other half dumps water on them. A magistrate is told to munch beans and card wool after being draped in a (*) headscarf in this play, which opens with a meeting involving Myrrhine (mih-REE-nee), Calonice (kah-loh-NEE-kay), Lampito, and the title character that ends with an oath being sworn over a bowl of wine. For 10 points, name this Aristophanes play whose title character seeks to end the Peloponnesian War by denying men sex.

ANSWER: Lysistrata

<Carson, Literature - World>

20. This artist's *Zoubaloff Sketchbook* shows his progress towards the "antique manner" he demonstrated in his portrait of a young Alfred Dedreux (duh-DREW). Studies this artist made at the Versailles (vair-SIGH) stables contributed to his painting of a Roman Carnival tradition, the *Race of the Riderless Horses*. The title officer of the imperial horse guards twists backwards on his horse in a painting this artist followed up with his (*) *Wounded Cuirassier* (kweer-uh-SEER). A father holds his chin to his cheek as his other arm grasps his naked dead son in the foreground of a painting by this artist of *The Charging Chasseur* (shass-URR), for which he studied dead bodies at a morgue. A black man signals to a distant ship on the title craft in, for 10 points, what French artist's masterpiece *The Raft of the Medusa*?

ANSWER: Théodore **Géricault** (tay-oh-DOR zhair-ee-KO) [or Théodore-Jean-Louis-André **Géricault**]

<Bentley, Arts - Painting>

21. A rare form of this disease that causes a brain inflammation is called subacute sclerosing panencephalitis. Infection by this disease is diagnosed by the presence of blue-white Koplik spots near the back molars. This disease causes the three C's of cough, coryza, and conjunctivitis. This disease's name comes first alphabetically in a treatment alleged to cause developmental disorders in a now-retracted 1998 *Lancet* article by Andrew (*) Wakefield. The causative agent of this disease evolved from the rinderpest virus and is part of the *Morbillivirus* genus. This disease, also known as rubeola, infected dozens at Disneyland in 2015. For 10 points, name this very contagious disease in children that is often vaccinated against with mumps and rubella.

ANSWER: **measles** [or **measles virus**; or **MV**; accept **rubeola** before read]

<Aggarwal, Science - Biology>



NSC 2018 - Round 17 - Bonuses

1. This man was dismissed from Trinity College, Cambridge for his pacifist activism during World War I, and he expressed his radical social views in books like *Marriage and Morals*. For 10 points each:

[10] Name this laureate of the Nobel Prize in Literature who worked with Jean-Paul Sartre to convene a 1966 tribunal to investigate American war crimes in Vietnam.

ANSWER: Bertrand **Russell** [or Bertrand Arthur William **Russell**, 3rd Earl Russell]

[10] Russell was an opponent of these actions, many of which Britain conducted on Christmas Island. The organization Women Strike for Peace helped push the US to sign a 1963 treaty partially banning these actions.

ANSWER: **nuclear tests** [or **nuclear weapons tests**; or close equivalents]

[10] Russell, Joseph Rotblat, and this physicist were the primary authors of a 1955 anti-nuclear manifesto. This man worked with Leó Szilárd to write a letter warning the American government that the Germans could build an atomic bomb, and he also developed the theory of relativity.

ANSWER: Albert **Einstein**

<Kothari, History - European>

2. The mnemonic "I GET SMASHED" is often used to remember the causes of this organ's inflammation. For 10 points each:

[10] Name this organ with both digestive and endocrine roles. This organ's islets of Langerhans (**EYE-lits of LONG-er-hons**) contain alpha cells that produce glucagon and beta cells that produce insulin.

ANSWER: **pancreas** [accept **pancreatitis**]

[10] The G in "I GET SMASHED" refers to these hardened accumulations of bile, which can cause a biliary colic attack. The accumulation of these things, which can appear yellow when made of cholesterol, may block the pancreatic duct.

ANSWER: **gallstones** [accept **cholelithiasis**]

[10] The I in "I GET SMASHED" refers to this kind of disorder, which arises spontaneously. The causes of this kind of disease are not known.

ANSWER: **idiopathic** disease

<Jose, Science - Biology>

3. Answer the following about regions with extensive overtone singing traditions, for 10 points each:

[10] Tanya Tagaq is a throat singer from this North American indigenous ethnicity, which comprises the majority of the population of Nunavut in northern Canada.

ANSWER: **Inuit** [or **Inuk**; prompt on **Eskimo**]

[10] A type of polyphonic overtone singing called *cantu a tenòre* is practiced in the region of Barbagia on this island, which has its own Romance language and many ruins called *nuraghi*. This island's capital is Cagliari.

ANSWER: **Sardinia** [or **Sardegna** or Autonomous Region of **Sardinia**; accept **Sardinian**]

[10] A form of throat-singing called *khoomoi* (**HO-may**) is practiced in Mongolia and this Russian republic in southern Siberia, bordering Mongolia to the northwest. This majority-Buddhist region has its capital at Kyzyl.

ANSWER: **Tuva** [or **Tyva** Republic]

<Kothari, Geography - World>

4. A dancer who impersonates one of these animals performs 32 *fouettés* (fwet-TAYS) in a *pas de deux* (pah duh doo) after a scene in which six princesses are introduced to a prince at a costume ball. For 10 points each:

[10] Name this animal. Michel Fokine (foh-KEEN) choreographed a short ballet for Anna Pavlova titled for a "dying" one of these animals.

ANSWER: **swans** [accept *Swan Lake* or *The Dying Swan*]

[10] This composer of *The Sleeping Beauty* depicted Siegfried being tricked by the sorcerer Baron von Rothbart into marrying Odile (oh-DEEL) in his ballet *Swan Lake*.

ANSWER: Pyotr Ilyich **Tchaikovsky**

[10] A *Spanish Dance* and a *Mazurka* were added to the third act in the 1895 revival of *Swan Lake*, which was undertaken by Lev Ivanov, Riccardo Drigo, and this Franco-Russian choreographer of *Don Quixote* and *The Sleeping Beauty*.

ANSWER: Marius **Petipa** [or Marius Ivanovich **Petipa**]

<Kalathiveetil, Arts - Ballet/Dance>

5. In the final chapter, this character is relieved to find that his bed-curtains "are not torn down, rings and all." For 10 points each:

[10] Name this character who sends a boy to buy a prize turkey, visits his nephew Fred, and lets his employee light a larger fire in his office at the end of the book he appears in.

ANSWER: Ebenezer **Scrooge** [or **Ebenezer** Scrooge]

[10] Scrooge appears in *A Christmas Carol*, the most popular of the many Christmas stories written by this author.

ANSWER: Charles **Dickens**

[10] The Ghost of Christmas Past brings Scrooge to a Christmas Eve ball hosted by this man, who happily dances with his wife and delights a young Scrooge and Dick Wilkins.

ANSWER: Mr. **Fezziwig**

<Bentley, Literature - British>

6. This substance can be modeled implicitly using the accessible surface area of a molecule. For 10 points each:

[10] Identify these substances that the polarizable continuum model seeks to simulate in computational chemistry. Organic reactions can sometimes be run without these substances to save money or to be more environmentally friendly.

ANSWER: **solvents** [or implicit **solvent** model]

[10] Water is often called the universal solvent because it is strong in this property, where molecules have a net dipole moment. The "like dissolves like" principle explains why ionic salts, strong in this property, dissolve easily in water.

ANSWER: **polarity** [do not accept "polarizability" or "nonpolar"]

[10] This compound, which is similar to chloroform but has one fewer chlorine atom, is often used as a solvent in reactions.

ANSWER: **dichloromethane** [or **methylene chloride**; or **methylene dichloride**; or **CH₂Cl₂**; or **DCM**]

<Prieto, Science - Chemistry>

7. More recently carved versions of these sculptures were topped with pukao. For 10 points each:

[10] Identify these monuments made by the Rapa Nui that faced inward rather than towards the sea. Some weighed as much as 75 tons.

ANSWER: **Moai** [prompt on but DO NOT REVEAL Easter Island statues or Easter Island heads]

[10] The Moai were constructed on this remote Pacific island, over 2,000 kilometers from Pitcairn Island. Jacob Roggeveen (YAH-kop RO-guh-vain) named this island for the Christian holiday he discovered it on.

ANSWER: **Easter** Island [or Isla de **Pascua**; prompt on Rapa Nui]

[10] In contrast to Jared Diamond, anthropologists Terry Hunt and Carl Lipo blame these invasive species for destroying Easter Island's trees before becoming food for the settlers. The Hanover type of these animals are also named for wharves.

ANSWER: **rats** [or Polynesian **rats**; or ***Rattus exulans***; or brown **rat**; or Hanover **rat**; or Norway **rat**; or ***Rattus norvegicus***; do NOT accept "mice"]

<Bentley, History - World>

8. In one of this play's many oft-quoted lines, Lord Darlington declares, "We are all in the gutter, but some of us are looking at the stars." For 10 points each:

[10] Name this comedy in which Mrs. Erlynne saves her daughter from disgrace by claiming that she, rather than that daughter, left the title object in Lord Darlington's rooms.

ANSWER: ***Lady Windermere's Fan***

[10] *Lady Windermere's Fan* is a play by this Anglo-Irish playwright of *An Ideal Husband* and *The Importance of Being Earnest*.

ANSWER: Oscar Fingal O'Flahertie Wills **Wilde**

[10] In response to a question from Cecil Graham in Act III, Lord Darlington defines this type of person as "a man who knows the price of everything and the value of nothing."

ANSWER: a **cynic**

<Bollinger, Literature - British>

9. This son of Chrysaor (CRY-sore) and Callirhoe (kal-ih-ROH-ee) lived on the island of Erytheia, where he employed the herdsman Eurytion. For 10 points each:

[10] Name this owner of the two-headed dog Orthrus.

ANSWER: **Geryon**

[10] Geryon's cattle were the target of the tenth labor assigned to this hero by Eurystheus (yur-ISS-thee-us).

ANSWER: **Heracles** [or **Hercules**]

[10] Heracles traveled to Erytheia (air-EE-thee-ah) on a golden chariot given to him by this god, who admired Heracles's willingness to shoot an arrow at the sun when he became irritated at its heat while crossing the Libyan desert.

ANSWER: **Helios**

<Carson, RMP - Greco-Roman Myth>

10. In the 19th century, female artists such as Therese Schwartze painted self-portraits holding these objects to show their seriousness. For 10 points each:

[10] Identify this sort of object that Judith Leyster holds in her left hand in a self-portrait. Artists sometimes apply paint with a type of knife named for these boards used for mixing colors.

ANSWER: **palettes**

[10] In 1878, this artist painted peasants in a field directly on his palette, titling it *The Artist's Palette with an Landscape*. This amply-bearded artist from the Danish West Indies painted many impressionistic views of the Boulevard Montmartre.

ANSWER: Camille **Pissarro**

[10] This civilization used palettes to grind eye paint, and the palettes themselves became sacred to one of their gods. An important archaeological object from this civilization is the Narmer Palette.

ANSWER: Ancient **Egyptian**

<Bentley, Arts - Painting>

11. The first one of these regions between the Earth and the Sun is occupied by the SOHO explorer. For 10 points each:

[10] Name these regions between two gravitational bodies, where the influence of gravity from each body cancels out each other body's gravitational pull. Three of them are always collinear.

ANSWER: **Lagrange points** [or **Lagrangian points** or **L-points** or **libration points**]

[10] Lagrange points appear as part of the solution to this difficult problem, which has only been solved in the "restricted" case. The Earth–Sun–Moon system is an instance of this problem.

ANSWER: **three-body** problem [prompt on *n*-body problem]

[10] The L4 and L5 Lagrange points accumulate a variety of this substance in structures named for Polish astronomer Kazimierz Kordylewski (*ka-ZHEEM-yesh kor-dill-EF-skee*). The *gegenschein* (*GAY-gun-shine*) is caused by this substance interacting with starlight.

ANSWER: interplanetary **dust** [or cosmic **dust**; prompt on Kordylewski clouds]

<Jose, Science - Astronomy>

12. This man's most recent book, co-written with Jennifer Silva, partly examines where his fellow classmates at Port Clinton High School ended up in life. For 10 points each:

[10] Name this social scientist who wrote *Our Kids* and a book that opens by describing the dissolution of organizations such as the Pennsylvania Bridge Club and Little Rock Sertoma Club.

ANSWER: Robert **Putnam** [or Robert David **Putnam**]

[10] In his magnum opus, *Bowling Alone*, Putnam stressed the importance of a type of "capital" described by this adjective. Researchers studying "networks" described by this adjective have recently taken to analyzing Facebook relationships.

ANSWER: **social** [accept **social** capital or **social** networks]

[10] Putnam's book *Making Democracy Work* argues that the strong institutions in the north of this country compared to its south are a result of social capital in the form of "singing groups and soccer clubs." The GDP per person in the south of this EU member country is 40 percent lower than in the north.

ANSWER: **Italy** [or **Italia**; or **Italian Republic**]

<Bentley, Social Science - Sociology>

13. On this holiday in 1647, people in Canterbury rioted on news that it was to be treated as any other working day with no sermon given. For 10 points each:

[10] Identify this holiday whose celebration was banned by Parliament in the mid-1640s.

ANSWER: **Christmas** day

[10] The blame for the ban on Christmas is often somewhat unfairly laid at the feet of this first Lord Protector of the Commonwealth.

ANSWER: Oliver **Cromwell**

[10] The singer in this Royalist ballad complains that "Old Christmas is kickt out of Town". It was supposedly played by British troops surrendering to George Washington at the Battle of Yorktown.

ANSWER: "The **World Turned Upside Down**"

<Bentley, History - European>

14. Political parties in this country often employ "resort politics" where they sequester their members at a hotel until they reach an agreement. For 10 points each:

[10] Identify this country where members of its once-dominant Congress Party recently gathered at the Eagleton Golf Village to try to engineer a political reversal.

ANSWER: **India** [or Republic of **India**; or **Bharat** Ganarajya]

[10] The Eagleton "airlift" was an effort to prevent Congress politicians from defecting to this party, which has controlled much of Indian politics following a 2014 landslide win by Narendra Modi.

ANSWER: **BJP** [or **Bharatiya Janata** Party; or **Indian People's** Party]

[10] The Eagleton Golf Village is located near Bangalore, the capital of this Indian state, the largest one still under Congress control. It also contains the city of Mysore.

ANSWER: **Karnataka**

<Bentley, Current Events - Foreign>

15. In a tale collected in Andrew Lang's *Pink Fairy Book*, a "cunning" man with this occupation repeatedly foils a gang of robbers by tricking them into thinking things are magical, then convincing them to buy those things.

For 10 points each:

[10] Give this occupation, also held by a poor man who is assisted in completing his work by elves who appear overnight.

ANSWER: **shoemaker** [or **cobbler**; accept "The **Cunning Shoemaker**" or "The **Elves and the Shoemaker**"]

[10] A version of "The Elves and the Shoemaker" appears in *Children's and Household Tales*, a book of fairy tales collected by this pair of German brothers.

ANSWER: Brothers **Grimm** [or Jacob and Wilhelm **Grimm**; accept first names in either order]

[10] The Grimms' version of the Little Red Riding Hood story inspired several of the entries in *The Bloody Chamber*, a book of fairy tale-inspired stories by this feminist British author of the novel *Nights at the Circus*.

ANSWER: Angela **Carter** [accept either underlined name of Angela Olive **Carter-Pearce**]

<Carson, Literature - European>

16. Answer the following about waves, for 10 points each:

[10] Waves are characterized by phase and by this quantity denoted A . It gives the magnitude of the oscillation.

ANSWER: **amplitude**

[10] Light is an example of this type of wave, with oscillations perpendicular to the direction of energy transfer.

ANSWER: **transverse** wave

[10] Suppose (read slowly) x is position, t is time, k is the wavenumber, and ω is the angular frequency. The equation describing a transverse wave evolving forward in the positive x and positive t directions contains the sine of what function of those four variables?

ANSWER: **kx minus ωt** [accept answers using the word "times" such as **k times x minus ω times t** ; accept answers that invert the order of the two terms but have a minus sign in front of exactly one of them, such as **ωt minus kx** or **minus ωt plus kx** ; accept answers that invert the order of multiplication, such as **xk minus $t\omega$**]

<Busse, Science - Physics>

17. In his solo violin sonata "Obsession," Ysaÿe (**ee-ZYE**) quoted the Prelude from Bach's Violin Partita No. 3 in E major, which this composer transcribed for piano using counterpoint. For 10 points each:

[10] Name this Romantic Russian composer of *Symphonic Dances*. A transcription of his *Vocalise* (**vo-kah-LEEZ**) is a popular violin encore.

ANSWER: Sergei **Rachmaninoff** [prompt on Rach]

[10] This Lithuanian violin virtuoso *re*-transcribed Rachmaninoff's Bach transcription. He transcribed 3 jazzy Gershwin preludes and added a wide range of composers to the violin encore repertoire; Dinicu's (**dee-NEE-koo's**) *Hora staccato* (**HOR-uh stah-KAH-toh**) and Ponce's (**PON-say's**) *Estrellita* are two examples.

ANSWER: Jascha **Heifetz** (**YAH-shah HIGH-fits**)

[10] Heifetz played encores for RCA, Decca, and Deutsche Grammophon (**DOY-chuh GRAH-mo-phone**), which are these companies. Takako Nishizaki, the first violinist to finish the Suzuki method, helped establish a "budget" one called Naxos that focuses on foreign and obscure pieces.

ANSWER: record **label** [or classical music **label**; or **recording** company; or CD **label**; or **record** brand; or **record** producer; prompt on music publisher; do not accept "sheet music publisher"]

<Lifshitz, Arts - Music>

18. Attached to the corners of these objects are tassels called *tzitzit* (**tseet-SEET**), whose eight threads and five knots, combined with the numerical value of their name, represent the 613 *mitzvot* (**meets-VOTE**). For 10 points each:

[10] Name these garments traditionally made of wool, which are sometimes used as wedding canopies.

ANSWER: **tallit** (**tah-LEET**) [or **tallitot**; or **tallis**; or prayer **shawl**]

[10] In some communities, boys receive a *tallit* for this milestone event at age 13, during which boys read a Torah portion and are considered to become an adult.

ANSWER: **bar mitzvah** [or **b'nai mitzvah**]

[10] Rashi's determination that the letters in the word *tzitzit* sum to 600 employs this Kabbalistic system of numerology, in which Hebrew letters correspond to numbers, which are summed to give the value of the word.

ANSWER: **gematria** (**geh-MAH-tree-ah**)

<Bollinger, RMP - Other Religion>

19. In the 1780s, this state had a regressive poll tax and 52 of its small towns didn't pay to send representatives to the state legislature. For 10 points each:

[10] Identify this state, the first to ban slavery. Benjamin Lincoln fought the Battle of Petersham in this state.

ANSWER: **Massachusetts** [or Commonwealth of **Massachusetts**]

[10] Massachusetts's anti-rural economic measures were one of the causes of this 1786 uprising where angry rebels tried to seize the Springfield Armory.

ANSWER: **Shays's Rebellion**

[10] Some of the participants in Shays's Rebellion referred to themselves with this term. In another state, many of these tax-hating westerners fled to Tennessee after losing the 1771 Battle of Alamance to William Tryon in a namesake war.

ANSWER: **Regulators** [or War of the **Regulation**]

<Bentley, History - American>

20. One of these creatures interposes on the speaker of a poem "with Blue – uncertain stumbling buzz – between the light – and me." For 10 points each:

[10] Identify this sort of creature, one of which is heard by the speaker of the 465th poem of an American poet.

ANSWER: a **fly**

[10] "I heard a Fly buzz – when I died" is by this reclusive poet. Her other poems include "I felt a Funeral, in my Brain" and "Because I could not stop for Death."

ANSWER: Emily **Dickinson**

[10] In this other Dickinson poem, the speaker evokes a time when "Seraphs swing their snowy Hats – / And Saints – to windows run." The speaker describes herself as a "Debauchee of Dew" in this poem.

ANSWER: "**I taste a liquor never brewed**" [or Poem **214**; or Poem **207**]

<Bentley, Literature - American>

21. Caroline Elkins's book *Imperial Reckoning* was used by former detainees during this war to sue the British government for crimes committed in detention camps. For 10 points each:

[10] Name this revolt of mostly Kikuyu people against the British colonial government in East Africa in the 1950s. Its end was hastened by the capture of Dedan Kimathi.

ANSWER: **Mau Mau** Uprising [or **Mau Mau** Rebellion; or **Mau Mau** Revolt; accept but DO NOT REVEAL the **Kenyan Emergency**]

[10] The Mau Mau Uprising took place in this present-day country whose first president was Jomo Kenyatta, with capital at Nairobi.

ANSWER: **Kenya** [or Republic of **Kenya**]

[10] Britain launched Operation Legacy to hide evidence of its colonial crimes while this country prepared to be the first in sub-Saharan Africa to gain independence. W. E. B. Du Bois died in this country.

ANSWER: **Ghana** [or Republic of **Ghana**]

<Kothari, History - World>

