



NSC 2018 - Round 18 - Tossups

1. During a religious festival in this novel, signs are misprinted with the words "God si (sih) love," which a character remembers when his boat collides with a tray carrying a model of Gokul village. At the end of this novel, after a headmaster asks "Why can't we be friends?" the earth, horses, and birds say "in their hundred voices, 'No, not yet.'" In this novel, a place where every sound echoes back as "boum" embitters Mrs. Moore, whose son (*) Ronny Heaslop sends her home before a climactic trial. After a traumatic experience at the Marabar Caves in this novel, the Englishwoman Adela Quested accuses the Muslim Dr. Aziz of assaulting her. For 10 points, name this novel by E. M. Forster set in a country ruled by the British Raj.

ANSWER: *A Passage to India*

<Bollinger, Literature - British>

2. Organisms in this species require the action of proteins such as EAT-2 and EAT-18 to allow for pharyngeal pumping when they are feeding. Some of these organisms wave their bodies in the air during nictation, which they commonly perform on filamentous structures such as hyphae. The larvae of these organisms can arrest development and enter the dauer stage, which is optimized for long-term survival. Sulston and Horvitz shared a Nobel Prize for (*) mapping out the lineage of each of the 1031 somatic cells in this organism's body. Sydney Brenner established the use of this animal as a model organism for the neural development of animals. Larvae of these animals develop through the L1 to L4 stages. For 10 points, name this nematode worm.

ANSWER: *C. elegans* [or *Caenorhabditis elegans*]

<Ramaswami, Science - Biology>

3. A binomial tree of values for this variable is generated in the Cox–Ross–Rubinstein method. If the limit on this value chosen in a "limit order" is exceeded, the corresponding action is not executed. A derivative may be executed at a "strike" value of this variable. This variable is the primary output of the Black-Scholes model. A security is called "frictionless" if the difference between two values of this quantity, known as the (*) "bid-ask spread," is zero. If a difference in this variable for a given asset exists between two different markets, arbitrage (AR-bih-trahzh) is possible. A phenomenon in which this variable increases unsustainably for an asset is called a "bubble." Inflation is an increase in the general levels of, for 10 points, what variable?

ANSWER: **price** of a security [or stock **price**; or asset **price**; or option **price**; or derivative **price**; or limit **price**; or strike **price**; or **pricing**; or **price** levels; prompt on value or valuation or cost]

<Alston, Social Science - Economics>

4. The usurping monk Myochong sought to form a new dynasty in this city, which was known as Heijo during Japanese rule. In the mud banks near this city, Welsh missionary Robert Thomas was killed when his ship, the *General Sherman*, was seized on a mission to open its country up to Western trade. This city was supposedly founded in 1122 BCE by Emperor Dangun, and it was the last capital of the (*) Goguryeo Kingdom. The Pothong River in this city is now home to the captured warship USS *Pueblo*. Monuments in this capital city include the Juche Tower. Both the "Great Leader" and "Dear Leader" ruled from this city after a 1953 ceasefire in a war fought against a US-backed rival south of the DMZ. For 10 points, name this capital of North Korea.

ANSWER: Pyongyang [or Seo-gyeong; or Kisong; or Hwangsong; or Rakrang; or Sodo; or Hogyong]
<Bentley, History - World>

5. A poem by this author suggests that humanity learned to "conform the order of their lives" by meditating in "groves," which are called "God's first temples." This author of "A Forest Hymn" wrote a poem whose imagery includes "where the rocking billows rise and sink / on the chafed ocean side." A poem by this writer speaks of God as a power who "from zone to zone," "guides through the boundless sky" the addressee's "certain (*) flight." That poem by him asks the title bird, "whither... dost thou pursue thy solitary way?" in its first stanza. Another poem by this writer uses the images of "the innumerable caravan, who moves to that mysterious realm" and the "quarry-slave at night" to describe Death. For 10 points, name this early-American poet who wrote "To a Waterfowl" and "Thanatopsis."

ANSWER: William Cullen Bryant
<Jose, Literature - American>

6. Nick Lucas was the first solo musician to make recordings playing this instrument. The 1972 album *Solo Flight* contains all of the surviving recordings made by a pioneer of this instrument named Charlie Christian, who may have coined the term "bebop." With Stéphane Grappelli, a player of this instrument recorded such hits as "Minor Swing" and "Nuages" (noo-AHZH). In a jazz band, this instrument and the piano are often responsible for (*) comping, or improvising chords to accompany soloists. Prominent players of this instrument include Wes Montgomery and Pat Metheny (muh-THEE-nee). A player of this instrument who pioneered "gypsy jazz" was one of the first to use it to play single-note solos. For 10 points, name this instrument played by Django Reinhardt that has six strings.

ANSWER: jazz guitar
<Minarik, Arts - Jazz>

7. This molecule forms a complex with a protein that is recognized by cubilin and amnionless, known as the "Cubam" receptor, which leads to endocytosis of this molecule. The R-protein in saliva strongly binds to this compound, protecting it from degradation until it reaches the duodenum. This molecule, and its analogue cobinamide, are effective in treating cyanide poisoning. This molecule is made of a substituted macrocycle known as a (*) corrin ring. When this vitamin is deficient in the body, folate supplementation can prevent megaloblastic anemia. This molecule, which is usually absorbed by intrinsic factor, is deficient in pernicious anemia. For 10 points, name this B vitamin, also known as cobalamin, which has a central cobalt ion.

ANSWER: vitamin B12 [accept hydroxycobalamin or hydroxocobalamin or cyanocobalamin or methylcobalamin before "cobalamin" is read; prompt on vitamin B]
<Ramaswami, Science - Biology>

8. The eternal children Alexiades (uh-lex-ee-ARR-eez) and Anicetus (ann-ih-SEE-tuss) serve as guardians of this place, which is also home to a figure who was sometimes said to have been conceived when her mother ate wild lettuce. A trio whose names are variously given as Thallo, Karpo, and Auxo and as Eunomia, Dike (DYE-kee), and Eirene (eye-REE-nee) lived in this place. A prince born to Callirhoe (kal-ih-ROH-ee) and Tros was taken to this place by an (*) eagle. The Horae (HOR-eye), or Hours, guard the gates of this place, which exists in a zone called the aether (ether). Inhabitants of this place, who consume nectar and ambrosia, employed the messenger Iris and the cupbearers Hebe and Ganymede. Hestia voluntarily gave up her throne in this place, and Hephaestus was thrown off of it. For 10 points, name this home of the twelve primary Greek gods.

ANSWER: Mount **Olympus** [accept answers that specify the **peak** of Mount **Olympus** or the **acropolis** of Mount **Olympus**]

<Carson, RMP - Greco-Roman Myth>

9. This man advocated placing images of Heaven and Hell in bedrooms and wearing the "eyeglasses of death" in his speech on "The Art of Dying Well." His youthful supporters were encouraged to snitch on their family as members of the "blessed bands." During the overthrow of this leader, the gates of San Marco were set on fire by rioters angry over the cancellation of a public trial-by-fire. He once claimed that the Sword of the Lord was threatening the city. Under his influence, (*) Sandro Botticelli gave up painting. He may have extracted a death-bed confession from Lorenzo the Magnificent. During Carnival, his supporters destroyed such items as gambling tables and books. For 10 points, name this Florentine preacher who orchestrated the Bonfire of the Vanities.

ANSWER: Fra Girolamo **Savonarola**

<Bentley, History - European>

10. The 1993 Hague Convention set international standards for this process after scandals in post-Communist Romania. "Fattening houses" in Guatemala were part of an industry devoted to this practice ended in 2008. Along with imposing sanctions, the 2012 Dima Yakovlev Law, aka the Anti-Magnitsky Act, banned Americans from partaking in this practice in Russia. It's not torture or forced labor, but the Philomena Project raises awareness about how this practice was forced on (*) women in Magdalene Laundries. In 2016, the Supreme Court overturned an Alabama ban on this practice among same-sex couples. Some 200,000 Korean-born children entered the US through this process following the Korean War. For 10 points, name this practice of raising a non-biological child.

ANSWER: international **adoption** [or forced **adoption**; or giving up a child for **adoption**; prompt on things like taking a **child** from its biological mother]

<Bentley, Current Events - Foreign>

11. NMR samples with this property have significant anisotropic effects, while in samples without this property, the anisotropies cancel out. Hermann–Mauguin (mo-GAN) notation may be used to characterize samples with this property into one of 230 space groups. Objects with this property were modeled as a network of quantum harmonic oscillators by Albert Einstein. The Laue (LAO-uh) method analyzes samples with this property which have been ground to a powder, after which their (*) Bragg scattering is analyzed. Dislocations and vacancies are defects that may be found in materials with this property. X-ray diffraction analyzes materials with this property that possess long-range order, unlike amorphous materials. For 10 points, name these solids that form a repeating lattice structure.

ANSWER: **crystalline** [prompt on **solid** state]

<Wang, Science - Physics>

12. The Foundation for Inner Peace publishes a book titled for these events which claims that "the dream" of perceptual reality was created by the "sleeping Son." An argument against naturalism from a book titled after these events was revised after its author, C. S. Lewis, debated Elizabeth Anscombe. An argument that testimony is almost never adequate to establish these events against "uniform experience" was proposed by (*) David Hume. Augustine argues that these events are only "contrary to what we know as nature." Thomas Jefferson removed references to these events from his Bible. Events of this type attributed to Jesus include raising Lazarus from the dead. For 10 points, name this kind of religious event not explicable by natural laws.

ANSWER: miracles

<Kothari, RMP - Philosophy>

13. In 1908, Pablo Picasso co-hosted a dinner party originally intended to mock this artist; Picasso later called this artist's *Portrait of a Woman*, which shows the subject's hand on an upside-down tree branch, "One of the most truthful of all the French psychological portraits." This artist drew on a diorama at a natural history museum for a painting exhibited at the 1905 Salon d'Automne (doh-TUM) titled *The Hungry Lion Throws Itself on the Antelope*. This former customs inspector depicted his Polish mistress Yadwigha hearing a (*) snake charmer in another jungle-set work. The title pink-haired woman holds a walking stick and is positioned next to a mandolin unaware of the lion sniffing her in one of his best-known paintings. For 10 points, name this untrained French artist of the *Sleeping Gypsy*.

ANSWER: Henri Rousseau [or Henri Julien Felix Rousseau]

<Bentley, Arts - Painting>

14. The so-called "British Bay of Pigs" was a failed MI6 operation to support the "Pixies" to overthrow this country's Communist government in Operation Valuable. The second-in-power in this country supposedly killed himself in 1981 after allowing his son to get engaged to a dissident; that man was Mehmet Shehu. The APL party lost control of this country during the reign of Ramiz Alia. As part of the China-inspired Cultural Revolution this country conducted in the 1960s after (*) withdrawing from the Warsaw Pact, it was proclaimed to be the "first atheist state." This country was ruled for much of the Cold War by Enver Hoxha (HOH-jah). For 10 points, name this country where, in 1990, thousands of citizens stormed foreign embassies in Tirana.

ANSWER: Albania [or People's Republic of Albania; or People's Socialist Republic of Albania; or Republic of Albania; or Shqipëria; or Republika e Shqipërisë]

<Bentley, History - European>

15. A book by this author opens with an essay about a type of person whose "whole being is sheer negative impulse, a tangle of contradictions," and is titled for that type of person "and other extremes." The speaker asks the "gate of our being" to "awaken me" after asserting that "daybreak is the face of the sun" in a poem by this man that also asserts that "life and death are reconciled" in a "lady of midnight." Sections mentioning a "willow of crystal, a poplar of water" both (*) open and close a poem by this man, who included sections titled "The Sons of La Malinche" and "The Day of the Dead" in a book that examines the title quality's influence on attitudes toward death and the *fiesta*. For 10 points, name this author of *The Labyrinth of Solitude* and "Sun Stone," a Mexican poet.

ANSWER: Octavio Paz [or Octavio Paz Lozano] (*The Labyrinth of Solitude* opens with the essay "The Pachuco and Other Extremes.")

<Carson, Literature - World>

16. A system created by this company called Lupine was the first to implement remote procedure calls. One employee of this company, Butler Lampson, wrote a memo after viewing the oN-Line System. An invention of this company was made after employees left Douglas Engelbart's Augmentation Research Center. While working at this company, Alan Kay created the first GUI (gooey) on its "Alto" computer. Many technological inventions, such as Ethernet and the computer mouse, originated at this company's (*) Palo Alto Research Center, a facility known as PARC. This company also invented the laser printer and the fax machine. For 10 points, name this company whose name is now a byword for photocopying documents, often using one of their copying machines.

ANSWER: **Xerox** [or **Xerox** Corporation; accept **Xerox** PARC; accept Xerox **PARC** or **Palo Alto Research Center** Incorporated until read]

<Jose, Science - Computer Science>

17. Steve Reich changed style by setting one of these texts in uneven meter for 4 women's voices, drum, and clapping. A piece titled for these texts has an orchestral reduction for organ, harp, and percussion, and opens (read slowly) B-flat, F, high E-flat, A-flat, B-flat on the Hebrew words "Urah, hanevel!" (oo-RAH ha-NAY-vell). The bass aria "Why do the nations so furiously rage together?" from Handel's *Messiah* quotes these Biblical texts, as does a Leonard Bernstein (BURN-styne) choral work named for Chichester. Wind instruments' widely-voiced E minor chords punctuate a (*) neoclassical symphony titled for these texts before a double "upside-down pyramid" fugue. A Serge Koussevitzky BSO commission whispers "Alleluia" and sets the 39th and 150th of, for 10 points, what poems that name a "symphony" by Igor Stravinsky?

ANSWER: **psalms** [accept *Tehillim*, *Chichester Psalms*, or *Symphony of Psalms*; prompt on sacred songs or hymns or poems; prompt on texts or books from the Hebrew Bible, Old Testament, *Tanakh*, or *Ketuvim*; do not accept or prompt on "prayers"]

<Damisch, Arts - Music>

18. A man with this last name, despite lacking legal training, was appointed over James Otis, Sr. to a judgeship. A person who took this last name was imprisoned in the house of Joseph Weld after being convicted of "traducing the ministers" and was killed in an Indian raid in what is now the Bronx after founding a colony on Aquidneck. The mansion of a man with this last name was ransacked by a mob in (*) 1765, angry at his support of the Stamp Act. A woman with this married surname was held to have given birth to numerous mutants and sent into exile by Governor John Winthrop. Thomas Gage replaced a Governor of Massachusetts of this last name who ruled during the Boston Tea Party. For 10 points, name this shared last name of Thomas and Anne, the latter of whom helped found Rhode Island.

ANSWER: **Hutchinson** [accept Thomas **Hutchinson** or Anne **Hutchinson**]

<Bentley, History - American>

19. The theologian Abraham Joshua Heschel wrote that when he marched with MLK at Selma, his feet were performing this action. Texts used in this action include the popular Koren Sacks edition and are kissed if they fall on the ground. Nineteen blessings make up a form of this action that is named for being conducted with feet together, the *Amidah* (ah-mee-DAH). Shacharit (SHAH-khah-reet), Mincha (MIN-khah), and Ma'ariv (MAH-ah-reev) are actions of this sort, called (*) *tefillot* (t'fee-LOAT), that are respectively performed in the morning, afternoon, and evening and printed in *siddurim* (see-doo-REEM). Vows to be made in the upcoming year are nullified by one of these actions called the Kol Nidre (COAL nee-DRAY). Forms of this action include the Shema Yisrael (sh'MAH yees-rah-EL) and the Kaddish (COD-ish), which is used in mourning rituals. For 10 points, identify this act of reciting texts addressed to God.

ANSWER: **prayer** [or word forms such as **praying**; or prayer **services**; accept ***tefillah*** or ***tefillot*** until read; accept **bentsching**, **davening**, or **blessing** until read; prompt on **reciting**, **reading**, **speaking**, or **singing**]
<Brownstein, RMP - Other Religion>

20. This character states he wishes to be a "king without a kingdom" and tells a story in which a flute-player is able to rid the island of Scyros of all its rats at the conclusion of a play in which he adopts the alias "Philebus." In another play, this character cuts off a lock of his hair and leaves it at a grave, where it is found by his sister; in that play, this man goes to Argos to fulfill the orders of Apollo with the help of his cousin Pylades. (*) Jean-Paul Sartre's *The Flies* is an existential update of a cycle of plays centering on this man, who is acquitted of murder in a trial on the Areopagus. Aeschylus's plays *The Libation Bearers* and *The Eumenides* are two parts of a trilogy centering on, for 10 points, what brother of Electra who kills his treacherous mother Clytemnestra?

ANSWER: **Orestes** [prompt on **Oresteia**]
<Jose, Literature - European>

21. Two criminals from a city called Money were paid by *Look* magazine to describe what happened to this person. His relative Moses Wright fled the state after giving testimony. Parker Bright spent much of the 2017 Whitney Biennial obstructing the view of a controversial painting of him by Dana Schutz. Timothy Tyson's book on the "Blood" of this person revealed (*) Carolyn Bryant had admitted to lying about him. This Chicago native was eventually found in the Tallahatchie River with barbed wire still wrapped around his neck. In 1955, *Jet* magazine published photographs of his mother Mamie weeping at his open casket. For 10 points, name this black teenager who was lynched for supposedly whistling at a white woman.

ANSWER: Emmett **Till** [or Emmett Louis **Till**; or Bobo **Till**]
<Bentley, History - American>



NSC 2018 - Round 18 - Bonuses

1. People in this profession who worked blindfolded were known as Anabdata. For 10 points each:

[10] Identify this occupation, other specialized examples of which included murmillos. Unlucky people in this profession would be subject to the *pollice verso* verdict.

ANSWER: Roman **gladiators**

[10] Murmillos largely replaced a type of gladiator named after these people. Julius Caesar wrote an account of his conquest of these people, who lived in modern-day France.

ANSWER: **Gauls** [prompt on Celts]

[10] Retiarii (**ret-ee-AH-ree**) gladiators used the weapons associated with this profession. The popular Roman product of garum was principally made from salt and the goods that people in this profession sold.

ANSWER: **fishing** [or **fisherman**]

<Bentley, History - European>

2. This piece's 4/4 introduction begins with a slowly arpeggiated first-inversion A-flat major chord in octaves and ends with the held, dissonant chord (**read slowly**) D, G, high E-flat. For 10 points each:

[10] Name this large piano piece in G minor and 6/4 time by Frédéric Chopin (**sho-PAN**). Poetry by Adam Mickiewicz (**ah-DOM meets-kee-EH-vitch**) may have inspired this piece's new genre and frame narrative structure.

ANSWER: **Ballade** No. **1** in G minor [or **Ballade** No. 1 in G minor, **Opus 23**; or **First Ballade**; prompt on Ballade or Ballade in G minor] (The first-inversion A-flat major chord is called a Neapolitan sixth.)

[10] While the four ballades (**ball-ODDS**) were inspired by literary forms, Chopin's flowing melodies took after his friend Vincenzo (**veen-CHENT-so**) Bellini and the *bel canto* style of this dramatic genre.

ANSWER: Italian **opera** [accept any answer that mentions **opera**]

[10] Italian opera inspired Chopin's standalone piece in F-sharp major with this title. The duet "Belle nuit, ô nuit d'amour" (**bell NWEE oh NWEE dah-MOOR**) from Offenbach's *Tales of Hoffmann* is one of these pieces based on Venetian gondolier songs.

ANSWER: **barcarolle** [or **barcarole**; or **barcarola**; accept **Barcarolle** in F-sharp major, Opus 60]

<Kothari, Arts - Music>

3. Traditional presentations of this dramatic genre, pioneered by Zeami (**zeh-AH-mee**) and his father Kan'ami, consist of five plays with shorter, comedic *kyōgen* plays performed in between them. For 10 points each:

[10] Name this Japanese dramatic genre in which actors wear expressive masks.

ANSWER: **Noh** [accept **Noh** drama or **Noh** theater]

[10] Several of Zeami's plays, including *Atsumori*, were based on stories taken from this Japanese epic about the Genpei War between the Taira and Minamoto clans.

ANSWER: *Tale of the* **Heike** (**hay-keh**) [or **Heike monogatari**]

[10] Zeami was also a prominent author in this genre of Japanese collaborative poetry. *Hokku*, the opening stanza of poems in this form, later developed into the haiku.

ANSWER: **renga**

<Carson, Literature - World>

4. Answer the following about politicians who dabbled in mathematics, for 10 points each:

[10] This European leader is often credited with originating the theorem that, given three equilateral triangles constructed on the sides of another triangle, their midpoints form another equilateral triangle.

ANSWER: **Napoleon** I Bonaparte [accept **Napoleon's** theorem]

[10] US President James Garfield published a proof of this result using a trapezoid. This theorem relates the length of a right triangle's hypotenuse to that of its legs.

ANSWER: **Pythagorean** theorem [or **Pythagoras'** theorem]

[10] While best known as a mathematician, Émile Borel also served in the French legislature. Borel made an early statement of this theorem, which claims that the namesake group of animals will eventually produce the complete works of Shakespeare.

ANSWER: **infinite monkey** theorem [accept descriptive answers involving an **infinite** amount of **monkeys**]
<Minarik, Science - Math>

5. The first application of this technique was when Max Fleischer filmed his brother Dave dressed as a clown. For 10 points each:

[10] Identify this technique for creating the smooth animation of the early *Superman* cartoons by tracing over live-action footage.

ANSWER: **rotoscoping** [or **rotoscope** animation]

[10] This director of *The Aviator* used rotoscoping for his Neil Young concert film *The Last Waltz*. A church in Paris was set on fire while it was screening this director's controversial 1988 film *The Last Temptation of Christ*.

ANSWER: Martin **Scorsese** [or Martin Charles **Scorsese**]

[10] One of the high points of rotoscoping was in a 1938 animated film based on this novel. An iconic image from this Jonathan Swift novel is its protagonist trapped on a beach by Lilliputians.

ANSWER: **Gulliver's Travels** [or **Travels into Several Remote Nations of the World. In Four Parts. By Lemuel Gulliver, First a Surgeon, and then a Captain of Several Ships**]

<Bentley, Mixed/Other/General Knowledge>

6. The sixth entry in this book asks what keeps the addressee from "living your life as a painful and lovely day in the history of a great pregnancy" since losing his faith in God. For 10 points each:

[10] Name this book consisting of ten missives written between 1902 and 1908 and addressed to a military cadet named Franz Xaver Kappus.

ANSWER: **Letters to a Young Poet** [or **Briefe an einen jungen Dichter**]

[10] This author wrote *Letters to a Young Poet* and the recently-translated *Letters to a Young Painter*, the latter of which were addressed to Balthus. He referred to the title character as "the god with the lyre" several times in his *Sonnets to Orpheus*.

ANSWER: Rainer Maria **Rilke** (RILL-kuh) [or René Karl Wilhelm Johann Josef Maria **Rilke**]

[10] The speaker claims that "beauty is nothing but the beginning of terror" in this Rilke poem which, like the poem that follows it in its collection, asserts "Every angel is terror."

ANSWER: the **first Duino Elegy** [accept any answer that indicates the **first** or **opening** poem in the **Duino Elegies**; accept **Duineser Elegien** in place of "*Duino Elegies*"]

<Jose, Literature - European>

7. This man wrote that Henri Poincaré's (**pwann-kah-RAY's**) research on three-body problems "promised eternal bliss to the mathematician, but turned the historian green with horror." For 10 points each:
[10] Name this historian who described his visit to the 1900 Paris World's Fair in "The Dynamo and the Virgin" in a 1919 book that won him a posthumous Pulitzer.

ANSWER: Henry **Adams** [accept *The Education of Henry Adams*]

[10] Much of a nine-volume history by Henry Adams chronicles the presidency of this "Father of the Constitution" and successor of Thomas Jefferson who entered the US into the War of 1812.

ANSWER: James **Madison** [or James **Madison Jr.**]

[10] Henry Adams also wrote a biography of Albert Gallatin, who held this cabinet position under Jefferson and Madison. Salmon P. Chase was the first man to serve in this post under President Lincoln.

ANSWER: Secretary of the **Treasury** [or **Treasury Secretary**]

<Jose, History - American>

8. This scientist discovered that one body gravitationally bound to a larger body will orbit in an ellipse whose radius vector sweeps out equal areas in equal times. For 10 points each:

[10] Name this astronomer who developed three laws of planetary motion.

ANSWER: Johannes **Kepler**

[10] Kepler's third law relates these *two* quantities for an orbiting body.

ANSWER: the **period** AND the **semi-major axis** [prompt on answers indicating half of the major axis]

[10] Kepler also developed an equation relating the "mean" and "eccentric" forms of these quantities for an elliptic orbit. These quantities define the angular position of a body in an orbit.

ANSWER: **anomalies** [accept mean **anomaly** or eccentric **anomaly**]

<Busse, Science - Physics>

9. This painting and its artist's *Allegory of Gluttony* were once part of a triptych before it was cut into many parts. For 10 points each:

[10] Name this painting, which likely illustrates an allegory by the medieval author Sebastian Brant. The figures in its title vessel include two people trying to eat a sagging roast.

ANSWER: ***Ship of Fools***

[10] *Ship of Fools* is an allegory by this Dutch artist, who depicted the locations of Paradise and Hell in the outer panels of his *Garden of Earthly Delights* triptych.

ANSWER: Hieronymus **Bosch** [or Jheronimus van **Aken**]

[10] Bosch's *Extraction of the Stone of Madness* depicts a doctor removing this kind of object from a patient. Rachel Ruysch often made still-lives showing insects next to these things.

ANSWER: **flower** [or **flowers**]

<Jose, Arts - Painting>

10. This religious movement ran the largest wiretapping operation ever investigated, and poisoned hundreds of people with salmonella to try to influence an election in Oregon. For 10 points each:

[10] Name this new religious movement depicted in the documentary *Wild Wild Country*. It is led by a mystic known as the Bhagwan (**BOG-wahn**).

ANSWER: **Rajneesh**ee movement [or **Osho**ites]

[10] Followers of the Bhagwan wore orange robes and carried a set of 108 of these things called *malas*. In Catholicism, five groups of ten of these things are used to count Hail Marys while contemplating the mysteries.

ANSWER: prayer **beads**

[10] The Bhagwan encouraged this practice, which is opposed by the Catholic Church, whose doctrines support natural family planning as an alternative to this practice.

ANSWER: **contraception** [or **birth control**]

<Nediger, RMP - Other Religion>

11. The term *prikhvatizatsiya* (**preekh-vuh-tee-ZOTTS-yeh**) describes the large-scale snatching of resources during this decade. For 10 points each:

[10] Identify this decade in which apartments were bombed in Moscow as part of the Dagestan (**DOG-eh-stahn**) War. A man who became president in this decade was photographed standing on a tank in Red Square in defiance of the August coup during its early years.

ANSWER: **1990s**

[10] This politician's handling of the Moscow apartment bombings helped him succeed Boris Yeltsin as head of the Russian state. He is the current President of Russia.

ANSWER: Vladimir **Putin** [or Vladimir Vladimirovich **Putin**]

[10] This two-word term refers to the quick economic liberalization and privatization applied to Russia and other former Soviet countries such as Poland in the 1990s. It often accompanies an austerity regime.

ANSWER: **shock therapy** [or **shock doctrine**; or **big bang**]

<Bentley, History - European>

12. Around 60 skeletons of mammoths have been recovered from a dig called Mammoth Site in this region. For 10 points each:

[10] Name this isolated mountain range found in southwestern South Dakota. It contains the highest point in the U.S. east of the Rockies.

ANSWER: **Black Hills**

[10] A group of granite pillars called "The Needles" in the Black Hills was originally chosen to be the site of this US monument. This monument sculpted by Gutzon Borglum depicts the faces of four US Presidents.

ANSWER: Mount **Rushmore** National Memorial

[10] The Black Hills is also home to this third-longest system of caves in the world. Its unusual cave formations include "frostwork" mixed with "cave popcorn."

ANSWER: **Jewel** Cave National Monument

<Jose, Geography - United States>

13. Charlotte Bronte dedicated the second edition of *Jane Eyre* to this writer, who submitted magazine articles under such pseudonyms as "Michael Angelo Titmarsh." For 10 points each:

[10] Name this author of *The History of Pendennis* and *The Luck of Barry Lyndon*. In another novel by this author, George Osborne is killed in the clashes preceding the Battle of Waterloo.

ANSWER: William Makepeace **Thackeray**

[10] In this novel by Thackeray, subtitled "A Novel without a Hero," Amelia Sedley marries Dobbin after being shown a letter from her dead husband by Becky Sharp.

ANSWER: ***Vanity Fair***

[10] This husband of Becky Sharp from *Vanity Fair* leaves her after finding her alone with Lord Steyne. Steyne has him sent to Coventry Island, where he dies of yellow fever.

ANSWER: **Rawdon Crawley** [accept either underlined portion]

<Bollinger, Literature - British>

14. Eye folds and microcephaly are among signs of this syndrome, which is also known as 5p-minus syndrome due to a deletion on chromosome 5. For 10 points each:

[10] Name this genetic disorder. Its French name refers to the high-pitched cry often heard from affected children.

ANSWER: **Cri du chat** (KREE doo SHAH) syndrome

[10] Cri du chat syndrome causes the absence of TERT, which is the catalytic subunit of this enzyme. This enzyme adds a repeat sequence to the 3-prime end of eukaryotic chromosomes to prevent their shortening.

ANSWER: **telomerase** [or **terminal transferase**]

[10] The subunit TERT in telomerase is this type of enzyme. This type of enzyme, which is found in retroviruses and retrotransposons, produces complementary DNA from RNA.

ANSWER: **reverse transcriptase** [do not accept or prompt on "transcriptase"]

<Ramaswami, Science - Biology>

15. An illusion featuring this animal and a duck was used by Wittgenstein (VIT-gun-shtyne) to distinguish two ways of seeing. For 10 points each:

[10] Name this animal. A different book identifies "Lo, a momentary [this animal] stage" as one possible translation of the word "gavagai" uttered upon seeing this animal.

ANSWER: **rabbit** [accept **bunny**]

[10] The book in which "gavagai" appears, *Word and Object*, was written by this philosopher. This philosopher argued that we should believe in mathematical entities because they are indispensable in a "thesis" that he names with Putnam.

ANSWER: Willard Van Orman **Quine**

[10] Quine wrote an influential paper about "Two Dogmas" of this philosophical position. This position holds that knowledge is acquired through experience, and is often contrasted with rationalism.

ANSWER: **empiricism** [accept word forms like **empirical**]

<Boyd, RMP - Philosophy>

16. The Class A form of these polities were all former Ottoman Territories, while the Class B came from German territories in Africa. For 10 points each:

[10] Give this name for these League of Nations-defined territories that changed hands following World War I. British Palestine was one such territory with this distinction.

ANSWER: League of Nations **mandates** [accept **mandatory** Palestine]

[10] Another form of British colonialism was Indirect Rule, exemplified in this African country where local rulers administered "native courts" separate from European law. The Republic of Biafra tried to secede from this country in the 1960s.

ANSWER: **Nigeria** [or Federal Republic of **Nigeria**]

[10] The British moved from indirect to direct rule in this colony following the 1857 Sepoy Rebellion.

ANSWER: British **India** [or British **Raj**]

<Bentley, History - World>

17. In one essay, Audre (**Audrey**) Lorde recalled her fury after her family was turned away from a Breyer's ice cream and soda fountain on this day. For 10 points each:

[10] Name this day. A speech delivered to the Ladies' Anti-Slavery Society in Rochester called this day "a thin veil to cover up crimes which would disgrace a nation of savages."

ANSWER: **Fourth** of **July** [or **July 4th**; or American **Independence Day**]

[10] This abolitionist gave the speech often published as "What to the Slave is the Fourth of July?" He wrote a bestselling slave narrative that describes his mistreatment by Mr. Covey and founded *The North Star*.

ANSWER: Frederick **Douglass**

[10] Many slave narratives were recorded as oral histories by this New Deal agency, whose Federal Writers' Project helped launch the careers of writers like Richard Wright.

ANSWER: **Works Progress Administration** [or **WPA**]

<Kothari, Literature - American>

18. Answer the following about street art, for 10 points each.

[10] The French artist Invader produced a number of video game-inspired works using this artistic technique, in which small glass or ceramic tiles called *tesserae* are assembled into a larger picture.

ANSWER: **mosaics**

[10] These curious license plate-sized artworks mysteriously appear in various major American cities, usually embedded in asphalt. They usually bear a variation of a message including the lines "in movie 2001 / resurrect dead / on planet Jupiter."

ANSWER: **Toynbee** tiles [or **Toynbee** plates]

[10] This creator of a huge mural of Nelson Mandela in Johannesburg also designed the "Andre the Giant Has a Posse" stickers and the "Hope" poster used by Barack Obama's 2008 presidential campaign.

ANSWER: Shepard **Fairey** [or Frank Shepard **Fairey**]

<Carson, Arts - Misc>

19. These substances often form during liquid–liquid extractions, but can be removed by adding lots of sodium chloride. For 10 points each:

[10] Identify these substances that contain a dispersed phase and a continuous phase, which include emulsions and sols.

ANSWER: **colloids** [prompt on suspensions]

[10] Particles of this element form a sol used to study thiol-based self-assembled monolayers. This metal commonly has an oxidation number of plus 1 or plus 3.

ANSWER: **gold** [or **Au**]

[10] The continuous phase of a suspension can be identified with a rule named for this scientist. He also names the temperature at which the vapor pressure for both components of an azeotrope (**AY-zee-oh-trope**) are equal, making it impossible to separate by distillation.

ANSWER: Wilder Dwight **Bancroft** [or **Bancroft** rule; or **Bancroft** temperature; or **Bancroft** point]

<Prieto, Science - Chemistry>

20. Some accounts claim that this woman gave birth to Anna, who became the mother of Mordred. For 10 points each:

[10] Name this woman who was married to Gorlois. Uther Pendragon had Merlin disguise himself as Gorlois so that he could sleep with this woman.

ANSWER: **Igraine** [or **Igerne** or **Eigyrr**]

[10] Igraine thus became the mother of this man, a knight who later pulled the sword from the stone and became king of Camelot.

ANSWER: King **Arthur** (Pendragon)

[10] Robert de Boron claims that Igraine and an unnamed duke of Tintagel were the parents of this enchantress, who is often depicted taking her brother or half-brother Arthur to Avalon.

ANSWER: **Morgan** le Fay [or **Morgaine**; do not accept or prompt on "Morgause"]

<Jose, RMP - Other Myth>

21. Name these bloody Renaissance English plays, for 10 points each.

[10] In this Shakespeare play, the title Roman general murders Chiron and Demetrius and serves them to their mother Tamora in a pie as revenge for the rape of his daughter Lavinia.

ANSWER: ***Titus Andronicus***

[10] The Ghost of Don Andrea and Revenge deliver the prologue to this Thomas Kyd play, in which Hieronimo orchestrates a play-within-the-play to murder Lorenzo and Balthazar.

ANSWER: ***The Spanish Tragedy***

[10] In this play by John Webster, Bosola locks the title character in prison, where she is killed by Ferdinand's executioners. Bosola kills Ferdinand and the title character's brother the Cardinal to avenge her.

ANSWER: ***The Duchess of Malfi***

<Bollinger, Literature - British>

