

PACE NSC 2022

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Round 01 - Tossups

1. A person in this profession is told "do not fear, do not turn pale" by a serpent who claims to be the Lord of Punt. A character in this profession is offered marriage to a king's daughter after crafting a fabulous saddle. The scribe Amenaa ("ah-men-AH") wrote a "story" titled for this profession which exemplifies Middle Kingdom Egyptian literature. A porter who shares a name with a character in this profession is told by the latter of an (*) adventure in which they travel to a valley of diamonds while grabbing the legs of a giant bird. A rich character in this profession discovers that an island is the back of a whale, and encounters many rocs, amongst seven adventures they describe in the *Arabian Nights*. For 10 points, name this profession of Sinbad.

ANSWER: sailor [or al-Bahriyy; accept answers like seaman or mariner or pirate; accept *The Story of the Shipwrecked Sailor*; prompt on merchant]

<Michael Bentley, Literature - World and Miscellaneous> ~23232~

2. This country's folk song "Green Bushes" inspired one of its composers to write *The Banks of Green Willow*. In 1943, this country's Hallé ("HAH-lay") Orchestra was revived by one of its native conductors, John Barbirolli. A composer from this country quoted "Dives and Lazarus" and "Seventeen Come Sunday" in a suite of its traditional folk songs. That composer also orchestrated a 16th-century melody based on this country's hymn (*) "Why fume'th in fight." Every summer, this country hosts an eight-week series of concerts called the Proms. A composer from this country wrote *The Lark Ascending* and *Fantasia on a Theme of Thomas Tallis*. For 10 points, name this home country of Ralph ("rafe") Vaughan Williams and Edward Elgar.

ANSWER: England [or Great Britain; or the United Kingdom]

<Jonathan Magin, Fine Arts - Music - 1900 to 1970> ~23722~

3. In a textbook, Fabrizio Benedetti explored theorized mechanisms of this phenomenon such as "top-down modulation of sensory and motor systems." This phenomenon was popularized after observing differences between soldiers in World War II and civilians in Massachusetts by Henry Beecher. This phenomenon still occurs even when it's explicitly explained to people in "open label" schemes. A portmanteau of the word "no" and the name of this phenomenon has been theorized to cause many COVID vaccine (*) adverse events and is a form of social learning. In double-blind research studies, this phenomenon is typically observed in the response of the control group. For 10 points, name this effect where subjects given a "sham" sugar pill might feel better.

ANSWER: placebo effect [or placebo response; accept nocebo effect]

<Michael Bentley, Social Science - Psychology> ~23188~

4. In a draft of a poem that was published posthumously in 2010, news about this person is delivered by a "voice like a selected weapon / Or a measured injection." This poet's first day of college is described in the poem "Blue Flannel Suit." This poet declared, "What a trash / To annihilate each decade" after describing "Number Three." This author is the dedicatee of the collection *The (*) Hawk in the Rain* as well as the main subject of the collection *Birthday Letters*. This poet wrote lines such as "The vampire who said he was you / And drank my blood for a year," and "A man in black with a Meinkampf look," to refer either to the title parent, or her husband Ted Hughes. For 10 points, name this poet of "Daddy."

ANSWER: Sylvia Plath

<Anson Berns, Literature - American> ~17688~

5. Ronald G. Knapp's book on "wind-and-rain" types of these structures in China includes the famous Chengyang example. In 1587, Antonio da Ponte won a competition to design one of these structures that required 6,000 timber piles to be driven into the ground. A man who invented the sand casting process at the Baptist Mills Brass Works factory innovatively used iron for one of these structures in Shropshire and was named Abraham Darby. Washington (*) Roebling ("ROH-bling") almost died of decompression sickness while working on one of these structures in New York. Colonial structures of this type in New England were often "covered" and employed the Burr Truss design. For 10 points, what type of structure spans New York's East River?

ANSWER: bridges [accept more specific answers such as rope bridges or covered bridges or suspension bridges; or the Iron Bridge; prompt on roads since bridges usually have roads on them]

<Michael Bentley, History - Cross, Historiography, and Miscellaneous> ~23000~

6. Porphyrin compounds exhibit an intense absorption peak in this color of the spectrum called a Soret ("so-RAY") band. CRY1 and CRY2 code for proteins called cryptochromes which use light of this color for entrainment. A twisted form of the carotenoid astaxanthin causes about one in two million lobsters to appear this color. Animals that appear green or this color rarely do so due to pigments and are more likely to exhibit structural coloration, as seen in the wings of the butterfly *Morpho didius*. Human (*) eyes which appear this color contain little melanin, which normally blocks Rayleigh scattering. S-cones perceive this color due to its shorter wavelength in the visible spectrum. For 10 points, name this color of jays in the genus *Cyanocitta* ("sie-uh-noe-SI-tuh").

ANSWER: blue

<Eric Yin, Science - Biology> ~23870~

7. At Rufaro Stadium in this modern-day country, an ailing Bob Marley sang "Get Up, Stand Up" to celebrate its newly won independence. Malaysia's prime minister partially-funded the construction of a presidential house in this country nicknamed "Blue Roof". A North Korea-trained military unit called the Fifth Brigade carried out an ethnic cleansing in this country during a period known as the (*) Gukurahundi ("goo-koo-ra-hoon-dee"). Perhaps 20,000 people were killed in this country in the 1980s in a purge of members of the Ndebele ("en-day-bay-lay") minority. A long-time ruler of this modern-day country was part of a ZANU-PF guerilla campaign against Ian Smith's white minority government. For 10 points, name this African country once ruled by Robert Mugabe and formerly called Rhodesia.

ANSWER: Republic of Zimbabwe [do not accept or prompt on "Rhodesia"]

<Michael Bentley, History - World - African> ~22642~

8. This deity, or a magic-user named Hild, orchestrates the "Battle of the Followers of Hedin ("heh-DEEN")," whose combatants are killed and resurrected every day for 143 years. This deity interrogates a wolf-riding seeress named Hyndla to reveal the ancestry of Ottarr ("OT-tahr"). This deity's tears were variously said to consist of amber or of gold. To retrieve one of this deity's possessions, (*) Heimdall fought Loki in the form of a seal. This deity owned a cloak made of falcon feathers, which the Aesir could borrow and use to fly. This goddess rode on the boar Hildisvini, owned the necklace Brisingamen, and received half of all slain warriors in her field of Folkvangr. For 10 points, name this member of the Vanir, a love goddess from Norse mythology.

ANSWER: Freya [or Freyja; do not accept "Frey"]

<Matthew Bollinger, RMP - World Mythology> ~24039~

9. A Latin American film in this genre, *Hour of the Furnaces*, accompanied the manifesto "Towards a Third Cinema." Since *Titicut* ("TI-tuh-kut") *Follies*, Frederick Wiseman has specialized in making films in this genre. An animated film in this genre was inspired by Jonas Poher Rasmussen's Afghan friend Amin. A mirrored device called an (*) Interrotron was invented for making films in this genre by the director of *The Thin Blue Line*, Errol Morris. An "effect" named for a director of these films pans and zooms across still photographs and was used in 2001's *Jazz*. Films in this genre often feature "talking head" interviews and reenactments. For 10 points, name this genre of *Roger & Me* by Michael Moore and *The Civil War* by Ken Burns.

ANSWER: documentary [accept Cinema-Verite; accept direct cinema before mentioned; prompt on non-fiction film or video essay]

<Michael Bentley, Fine Arts - Film> ~23791~

10. In 1941, the anti-fascist Julian Berrendero went from a concentration camp to being a hero at this activity. A trip centering around this activity in Germany drives the plot of the sequel to Jerome K. Jerome's *Three Men in a Boat*. The "voice" of this activity, Phil Liggett, often consults a "Speaker's Guide" that documents the history of chateaus. The Pope Manufacturing Company helped fuel an 1890s craze for this activity which accelerated the adoption of (*) bloomers. An improvement on the penny-farthing made this activity popular among "wheelmen." 400 kilometers of dedicated tracks for this activity has cut carbon emissions in Copenhagen. For 10 points, name this activity whose champions can earn a Yellow Jersey at the Tour de France.

ANSWER: bicycling [or biking; or bike racing; prompt on racing or sports or athletics or commuting or transportation]

<Michael Bentley, Other - Other Academic and General Knowledge> ~23275~

11. In the 2000s, many aluminum versions of these devices exploded in their namesake "plague." High-strength versions of these devices, which make use of Helmholtz double layers, are called their "super" type. These devices are connected in *parallel* to the load in simple low-pass filters, as their reactance is *inversely proportional to frequency*. The time constant equals (*) resistance times the characteristic quantity of these devices, which equals relative permittivity times area over distance for a type of them shown as two parallel lines in circuit diagrams. Some of these devices' electrolytic types have a dielectric placed between two parallel plates. For 10 points, what charge-storing devices have a namesake quantity measured in farads?

ANSWER: capacitors [or condensers or electrolytic capacitors or double-layer supercapacitors or parallel-plate capacitors; accept capacitor plague; accept capacitance]

<Joseph Krol, Science - Physics> ~23055~

12. While in a graveyard, this character finds a run-down hourglass representing his life in a play often performed on All Saints' Day. This title character was controversially depicted as an atheist in a play which was written to replace the also-controversial *Tartuffe* by Molière ("moll-YARE"). This character, whom a José Zorrilla ("thoh-REE-ah") play gives the surname Tenorio, was introduced in a circa 1630 play by (*) Tirso de Molina partly-titled for a "Stone Guest." In this character's usual narrative, he is haunted by Don Gonzalo after becoming involved with Gonzalo's daughter Ana. In some dramatic adaptations, a statue of the Commendatore ("koe-MEN-dah-TOR-ay") drags this character to hell after dinner. For 10 points, name this Spanish character who relentlessly seduces women.

ANSWER: Don Juan [accept Don Giovanni or Don Juan Tenorio or Dom Juan or The Trickster of Seville or El burlador de Sevilla]

<Joseph Krol, Literature - European - Drama> ~23174~

13. The *Gospel of Nicodemus* names two people with this occupation as Gestas and Dismas. John 12 describes Judas as one of these people to explain his criticism of Mary anointing Jesus with pure nard. While clearing out the money-changers and merchants in the Temple, Jesus laments that a house of prayer has become a gathering place for these people. After a man of this occupation asks Jesus to (*) remember him, he is promised entry into Paradise. It's not a bridegroom, but many Bible verses compare the Second Coming of Christ to the appearance of one of these people "in the night." Jesus was crucified alongside two of these people. For 10 points, in John 10, Jesus says the Devil is like what kind of person, who "comes only" to steal?

ANSWER: thief [or robber or equivalents; prompt on criminal]

<Jon Suh, RMP - New Testament> ~24033~

14. This president gave his only campaign speech to placate a rival faction at the Fifth Avenue Hotel. This president received a personal request by one man to be appointed to a "Paris consulship", which this president rebuffed. The Morey Letter painted this president as a supporter of Chinese immigration. This president attacked his opponent for claiming that tariffs were a "local issue" to win an election against Winfield Scott (*) Hancock. This president ran alongside a corrupt Collector of the Port of New York at the behest of Roscoe Conkling. After shooting this president at the Baltimore and Potomac railroad station, one man proclaimed "I am the Stalwart of Stalwarts". For 10 points, name this Ohio president who was assassinated by Charles Guiteau and succeeded by Chester Arthur.

ANSWER: James Abram Garfield

<Hari Parameswaran, History - American - 1865-1945> ~23889~

15. Marcus Hutter believes that performing this task is equivalent to creating effective AI and has sponsored a prize rewarding incremental improvements. The Burrows-Wheeler and move-to-front transforms can be used when preprocessing data for this task. This task can be approached by building prefix-free codes whose length is inverse to their (*) frequency. Lempel and Ziv's algorithms for this task maintain a dictionary of previously seen tokens that it maps to each symbol. The works of Shakespeare are common sources of text used in benchmarks of this task's performance. Perfectly efficient algorithms for this task include Huffman coding and are termed lossless. For 10 points, name this task which reduces the size of data when creating zip files.

ANSWER: compression [accept lossy compression or lossless compression; prompt on encoding before "codes" by asking "for what task are those codes used for?"]

<Michael Bentley, Science - Computer Science> ~22936~

16. Mary Elise Sarotte's ("suh-RAH-tee'z") recent history of this organization, *Not One Inch*, takes its title from a question asked by James Baker that was later interpreted to be a pledge. A 2014 meeting of this organization in Wales formalized a 2% target most members failed to hit. In a reversal of the Paasikivi-Kekkonen ("PAH-see-kee-vee KEK-oe-nen") doctrine, Sanna Marin ("SAH-nuh MAH-rin") co-applied for membership of this organization in 2022. This organization is currently headed by the so-called Tony Blair of Norway, (*) Jens Stoltenberg. A 1995 op-ed by George Kennan argued that it was a "fateful error" for the US to expand this organization. In 2022, Finland applied to join this organization, whose member countries are protected by Article 5. For 10 points, name this US-led European military alliance.

ANSWER: NATO [or North Atlantic Treaty Organization; or OTAN; or Organisation du traité de l'Atlantique nord]

<Michael Bentley, Current Events - World> ~23686~

17. This artist's instructions for being an artist are, "Take an object. Do something to it. Do something else to it." This artist applied a great deal of sculptmetal to a store-bought tool for his sculpture *Flashlight I*. This artist made a cast of Merce Cunningham's foot and made designs for Cunningham's dancers with his lover Robert Rauschenberg. A joke about this man's dealer Leo Castelli led him to create a sculpture of two (*) Ballantine Ale cans titled *Painted Bronze*. This artist's paintings of "things the mind already knows" include his encaustic paintings of targets and a monochrome white painting where collage techniques were used to create the 48 stars and 13 stripes. For 10 points, name this American pop artist of *White Flag*.

ANSWER: Jasper Johns

<Michael Bentley, Fine Arts - Painting - U.S.> ~22462~

18. This city was the birthplace of the celebrated musician Pronomus. Nearly all currency minted in this city contained an image of a figure-of-eight infantry shield on it. This city defeated a numerically superior force at Tegyra ("tuh-GYE-ruh"). Prior to the Third Sacred War, this city controlled the Amphictyonic ("am-fik-tee-ON-ick") League. This city financed the rebuilding of a fortified city called Messene ("muh-SEE-nee"), mostly populated by another city's former (*) helots. Troops from this city employed the "cutting off the snake's head" technique to defeat Cleombrotus of Sparta. The Cadmea was the name of this city's acropolis. A military unit in this city consisting of 150 couples was led by Epaminondas ("eh-puh-muh-NON-dus") at Leuctra. For 10 points, name this Greek city in Boeotia ("bee-OE-shuh") home to the Sacred Band.

ANSWER: Thebes [or Thebai]

<Michael Bentley, History - European - Classical> ~22451~

19. After returning to his hometown and seeing a play, this character is mocked by an apprentice named Trabb. This character notes how "the shape of the letters on my father's [tombstone] gave me an odd idea that he was a square, stout, dark man." This character feels wracked with guilt after stealing a pork pie from a pantry during a Christmas dinner with church clerk Mr. Wopsle. This character's uncle Mr. (*) Pumblechook falsely takes credit for raising him after he moves to London and leaves the blacksmith shop of Mrs. Joe. This character ultimately discovers that Australian sheep rancher Abel Magwitch is his benefactor, rather than the spurned Miss Havisham. For 10 points, name this protagonist of Charles Dickens' novel *Great Expectations*.

ANSWER: Pip [or Philip Pirrip; or Philip Pirrip]

<Michael Bentley, Literature - British - Long Fiction> ~23132~

20. Waterproof examples of these substances have been inspired by a bi-valve-produced example whose iron and vanadium ions denature proteins. In one of these substances, the nitrile group of a cyanoacrylate ester reacts with a basic surface in the presence of moisture and rapidly polymerizes. Polyvinyl acetate is a common but weak one of these substances which in a common demonstration crosslinks with borax to form (*) slime. A strong one of these substances works by hardening a matrix of epoxy resins. Lipstick tubes inspired the Henkel company to design sticks for applying these substances, one of which comes in a liquid white form produced by Elmer's. For 10 points, name these substances used to join objects together.

ANSWER: adhesives [or glues; accept superglues or wood glues or epoxy glues; prompt on thermoplastics; prompt on polymers]

<Eric Yin, Science - Chemistry> ~23866~

21. Huge queues of these animals clog rural Icelandic roads each September during the réttir festival. The body of one of these animals was donated to the National Museum of Scotland in 2003 by the Roslin Institute following work by Keith Campbell. These animals were granted royal rights-of-way in Castille under the Mesta system. Merchant William Jarvis imported thousands of high-quality Spanish examples of these species to Vermont, helping the (*) Merino breed spread in the US. Prior to the Federation Drought, there were over 100 million of these creatures being raised in Australia for fleece exports. For 10 points, Dolly was a cloned example of one of what mammalian species that are often shorn for their wool?

ANSWER: domestic sheep [accept lamb; accept ovis aries]

<Michael Bentley, History - Cross, Historiography, and Miscellaneous> ~23265~

PACE NSC 2022 - Round 01 - Bonuses

Note to moderators: don't forget about bouncebacks!

1. Carl Sagan coined the term "tholin" to describe the goop produced by successors to this experiment. For 10 points each:

[10] Name this experiment which underpins the theory of pseudo-panspermia. Jeffrey Bada ("BAY-duh") expanded the list of products of this experiment and helped develop ESA ("EE-suh") and NASA apparatuses for finding them in space.

ANSWER: **Miller–Urey** experiment [or **Urey–Miller** experiment]

[10] Sagan collaborated with Sidney Coleman to create a Fermi-type equation estimating the chance of this process. COSPAR ("KOE-spahr") provides recommendations on how to prevent this process that often involves destroying spacecraft.

ANSWER: biological **contamination** [or **contaminants**; accept forward, back, or interplanetary **contamination**]

[10] Though others were found on the Murchison meteorite, this simplest amino acid is the only one ever directly observed in space.

ANSWER: **glycine** [prompt on G]

<Kevin Wang, Science - Astronomy> ~19273~

2. At the behest of Venus, this woman completes a series of arduous tasks, such as descending to the underworld to obtain some of Proserpine's ("proe-SEHR-pee-nuh'z") beauty. For 10 points each:

[10] Name this beautiful princess who aroused Venus's jealousy. After being roped into a scheme to punish this woman, Venus' son ends up falling in love with this woman instead.

ANSWER: **Psyche**

[10] In a story recorded by Apuleius ("ap-yuh-LEE-us"), this bow-wielding, winged god of love fell in love with Psyche.

ANSWER: **Cupid** [or **Eros**; or **Amor**; or **Cupido**]

[10] The god Phanes ("FAY-nee-z"), from this alternate cosmogony, is often equated with Cupid. Stories from this esoteric myth tradition tell of Phanes' birth from a cosmic egg and Zagreus' dismemberment by the Titans.

ANSWER: **Orphic** mythology [or **Orphism**; or **Orphicism**]

<Matthew Bollinger, RMP - Greco-Roman Mythology> ~18998~

3. To begin this process, the artist applied the *arriccio*, or an underlayer of plaster. For 10 points each:

[10] Identify this artistic medium, known for its longevity. Each day, an artist completed a section of the work called a *giornata* ("jor-NAH-tuh").

ANSWER: **fresco** painting [prompt on mural or painting]

[10] Masaccio varied the size of his *giornata* for his frescoes of Saint Peter in the Brancacci Chapel in this Italian city. Michelangelo's *David* was sculpted in this city.

ANSWER: **Florence** [or **Firenze**]

[10] Two members of this family, Agostino and Ludovico collaborated on the fresco cycle *Histories of Jason and Medea* with another member of this family, Annibale ("uh-NEE-buh-lay"), artist of *The Butcher's Shop* and *The Beaneater*.

ANSWER: **Carracci** [accept Annibale **Carracci** or Ludovico **Carracci** or Agostino **Carracci**]

<Michael Bentley, Fine Arts - Painting - European> ~18725~

4. Translation can cause issues with peace treaties. For 10 points each:

[10] The English version of this 1840 treaty asserts that the Maori will give "sovereignty" to the British while still retaining their "property," but those concepts had no direct Maori analogues.

ANSWER: Treaty of Waitangi ("wye-TAHN-ghee")

[10] Different versions of UNSC 242 ending this conflict called for a withdrawal from "the territories" or just "territories." 34 American sailors were killed in the *Liberty* incident during this war.

ANSWER: Six-Day War [or June War; or 1967 Arab-Israeli War; or Third Arab-Israeli War; prompt on Arab-Israeli War]

[10] The Treaty of Wuchale ("wuch-ul") between Italy and this African country gave more autonomy to it in the version written in Amharic. This country was later ruled by Emperor Haile Selassie I.

ANSWER: Ethiopia [accept Ethiopian Empire or Abyssinia; do not accept "Eritrea"]

<Michael Bentley, History - Cross, Historiography, and Miscellaneous> ~18179~

5. Molecules with a disphenoidal ("die-sfee-NOY-dul") geometry have this electron pair geometry. For 10 points each:

[10] Name this geometry, the most common one where axial and equatorial ligands swap positions in Berry pseudorotation.

ANSWER: trigonal bipyramidal

[10] Berry pseudorotation is a form of this process, which IR spectroscopy observes various modes of to identify molecules in their "fingerprint" region. Wagging and rocking are examples of normal modes of this process.

ANSWER: molecular vibration [accept vibrational modes]

[10] Trigonal bipyramidal molecules have five ligands attached to their central atom and this number of lone pairs. This is also the number of double bonds in an alkane ("AL-kane").

ANSWER: zero

<Benjamin Chapman, Science - Chemistry> ~18584~

6. A thought experiment about this substance is used to illustrate that "meaning just ain't in the head." For 10 points each:

[10] What substance looks identical to "XYZ" in Hilary Putnam's "twin earth" thought experiment? Aristotle grouped this classical element with earth, air, fire, and aether.

ANSWER: water [or H2O]

[10] Putnam championed the "internal" form of this position. Putnam's "no miracles" argument supports the "scientific" position of this name, which holds that our best theories give us genuine knowledge of the world.

ANSWER: realism [accept internal realism or scientific realism]

[10] Putnam's internal realism resembles the transcendental idealism of this German philosopher, who argued that it's impossible to know anything about "things-in-themselves."

ANSWER: Immanuel Kant

<Michael Bentley, RMP - Philosophy> ~14806~

7. This collection's political criticism partly led to its author spending 18 months under house arrest, during which he wrote the story "Mumu." For 10 points each:

[10] Name this collection that ends with the story "Forest and Steppe." It opens by discussing the contrasting peasants Khor and Kalinych ("KAH-lin-itch").

ANSWER: A Sportsman's Sketches [or Zapiski ohotnika; or A Sportsman's Notebook or The Hunting Sketches or Sketches from a Hunter's Album]

[10] *A Sportsman's Sketches* is by this Russian author of the novel *Fathers and Sons*.

ANSWER: Ivan Sergeyevich Turgenev

[10] Some characters in *A Sportsman's Sketches*, as well as Bazarov from *Fathers and Sons*, exemplify an archetype named for this adjective. Turgenev's "Diary" of a "Man" described by this adjective codified that frequently-nihilistic archetype, which is similar to the Byronic hero.

ANSWER: superfluous man [or lishniy chelovek; accept *Diary of a Superfluous Man* or *Dnevnik lishnego cheloveka*]

<Joseph Krol, Literature - European - Short Fiction> ~18747~

8. By the late 16th century, a fifth of all land in this city was occupied by its *conventos grandes*. For 10 points each:

[10] Identify this city that had thirteen nunneries during the reign of Viceroy Francisco de Toledo. Today, it is the capital of Peru.

ANSWER: Lima

[10] In the 16th century, most of the women in Lima's convents were born in Peru but descendants of Spaniards, thus giving them this designation. These people typically had lower status than peninsulares.

ANSWER: criollas [or Creoles; or criollos]

[10] The Lima-based missionary Ruiz de Montoya established one of these Jesuit settlements in Paraguay, where he attempted to convert the Guarani to Christianity. These settlements grew following the Jesuit expulsion from Europe.

ANSWER: reductions [or reducciones]

<Michael Bentley, History - World - Latin American> ~18186~

9. A poem by this author opens "tell me it was for the hunger / & nothing less." For 10 points each:

[10] Name this author of a poem and a novel both titled *On Earth We're Briefly Gorgeous*, the former of which appeared in *Night Sky with Exit Wounds* in 2016.

ANSWER: Ocean Vuong

[10] In the novel *On Earth We're Briefly Gorgeous*, the narrator's mother Rose was fathered by an American soldier during this war, which is the subject of Tim O'Brien's *The Things They Carried*.

ANSWER: Vietnam War [or the Second Indochina War]

[10] The second section of Vuong's poem "On Earth We're Briefly Gorgeous" describes the addressee dying in this manner "between my arms." A Gabriel García Márquez story concerns the "Handsomest... Man in the World" who died in this manner.

ANSWER: drowning [accept "The Handsomest Drowned Man in the World"]

<Joseph Krol, Literature - World and Miscellaneous> ~18805~

10. A king of this name was accused of having "learned nothing and forgotten nothing". For 10 points each:

[10] Give this regnal name of the monarch restored to the French throne after the downfall of Napoleon I.

Another king of this name was executed in 1793.

ANSWER: Louis [accept Louis XVIII (18) or Louis XVI (16)]

[10] Louis XVIII's (18) government was divided between right-wing Ultras and more moderate Doctrinaires.

Under Louis Phillipe, the Doctrinaires were led by this Prime Minister, whose ban on political meetings sparked the 1848 Revolution in France.

ANSWER: François Guizot [or François Pierre Guillaume Guizot]

[10] Louis XVIII's government cracked down on dissent after the assassination of the Duke of Berry at one of these buildings. One of these buildings in Paris is named for Charles Garnier.

ANSWER: opera house [prompt on theater or palace or classical music hall or palais]

<Michael Bentley, History - European - 1500-1900> ~17923~

11. The Wadi-us-Salaam in Iraq has been the site of millions of these events, during which the *janazah* is said. For 10 points each:

[10] Name these events that typically include a washing by family members, followed by dressing in a white *kafan* cloth. In Islam, these events may only be performed "at sea" on long maritime journeys.

ANSWER: Islamic funerals [or burials; or interments; accept burial at sea]

[10] In Islam, bodies are not subjected to this practice. In Hinduism, the ashes resulting from this practice may be spread in the Ganges.

ANSWER: cremation [or burning of the body; or word forms]

[10] Some sects hold that specific mourning periods such as 40 days are this term, referring to new practices with no precedent in *Sunnah*. The Arabic word or standard translation is acceptable.

ANSWER: bid'ah [or innovation; or bid'at]

<Michael Bentley, RMP - Islam> ~18755~

12. In 1884, Mitrofan Belyayev set up an annual award of 500 rubles named for this composer, which was won by most of The Five. For 10 points each:

[10] Name this composer of the oldest Russian opera in the modern repertoire, in which Ivan Susanin dies in a noble sacrifice against the Polish army.

ANSWER: Mikhail Glinka [That opera is *A Life for the Tsar*.]

[10] This early winner of the Glinka Award described Gvidon's decision to marry the Princess-Swan in his own tsar-based opera, *The Tale of Tsar Saltan*. His other works include *Capriccio espagnol* ("cah-PRITCH-oh ess-pan-YOL").

ANSWER: Nikolai Rimsky-Korsakov [or Nikolai Andreyevich Rimsky-Korsakov]

[10] By far the most famous part of Rimsky-Korsakov's opera *The Tale of Tsar Saltan* is an interlude titled for the "Flight of" one of these animals.

ANSWER: bumblebees [or shmel'ya; accept "Flight of the Bumblebees" or "Polot shmel'ya"]

<Joseph Krol, Fine Arts - Opera> ~19161~

13. These structures are especially stable when they correspond to "magic numbers." For 10 points each:
[10] Name these structures described by the liquid-drop model. These atomic structures consist of protons and neutrons.

ANSWER: atomic **nuclei** [or atomic **nucleus**]

[10] Atomic nuclei corresponding to magic numbers have an unusually high value for this type of energy per nucleon. This so-called "energy of formation" is equal to the mass defect times the speed of light squared.

ANSWER: nuclear **binding** energy

[10] The properties of the magic numbers are *not* predicted by the semi-empirical mass formula named for Carl Friedrich von Weizsäcker ("VICE-surk-uh") and this other German physicist, who infamously computed the value of the Lamb shift while on a train ride.

ANSWER: Hans **Bethe** ("BAIT-uh") [accept **Bethe**-Weizsäcker semi-empirical mass formula]

<Joseph Krol, Science - Physics> ~18160~

14. In the 1970s, tens of billions of dollars were wasted on a steel plant in this region that largely served to enrich the 'Ndrangheta (in-DRAHN-gay-tah) families that control its economy. For 10 points each:

[10] Identify this region of Southern Italy with capital at Catanzaro that comprises the "toe" of Italy's "boot."

ANSWER: **Calabria** [or **Calàbbria**; or **Bruttium**]

[10] Calabria is separated by the Strait of Messina from this largest island in the Mediterranean, home to Mount Etna.

ANSWER: **Sicily** [or **Sicilia**]

[10] Unusually for Italy, Calabria has a sizable minority population who speak this language, whose "Standard" form is derived from the Tosk dialect. This co-official language of North Macedonia is spoken by a people whose national hero is Skanderbeg.

ANSWER: **Albanian** [or **shqip**; or **giuha shqipe**]

<Michael Bentley, Geography - Europe> ~13874~

15. Following World War II, many executives of American firms went into government service. For 10 points each:

[10] One of the two executives named Charlie Wilson to serve in senior government roles in the 1940s is widely misquoted as having told Congress that "What's good for [this company] is good for the country."

ANSWER: **General Motors** [or **GM**]

[10] "Engine" Charlie Wilson was replaced by Neil H. McElroy, a president of Procter & Gamble, in this cabinet position. This position took up the responsibilities of the Departments of War and Navy.

ANSWER: Secretary of **Defense**

[10] This group of 10 former Army Air Force officers who became executives at the Ford Motor Company included Robert McNamara, architect of US policy in Vietnam.

ANSWER: **Whiz Kids**

<Michael Bentley, History - American - 1945+> ~18192~

16. One of the four surviving manuscripts of poetry in this language ended up, for unknown reasons, in the Italian town of Vercelli ("ver-CHELL-ee"). For 10 points each:

[10] Name this language whose other poetic manuscripts include the Exeter Book. *Beowulf* was written in this language.

ANSWER: Old English [or Anglo-Saxon; prompt on English]

[10] Perhaps the best-known Old English poetic manuscript is this codex, which contains the only copy of *Beowulf* as well as a translation of *Judith*. The edges of its pages were burned in the 1731 Ashburnham House fire, from which most of it was narrowly saved.

ANSWER: Nowell Codex [or Cotton MS Vitellius A XV]

[10] The oldest Old English poem, *Caedmon's* ("KIDE-mon's") *Hymn*, survives only in copies of this medieval scholar's work *Ecclesiastical History of the English People*.

ANSWER: The Venerable Bede [or Saint Bede or Bæda]

<Joseph Krol, Literature - British - Poetry> ~19080~

17. This doctrine was extended in 1982's *Harlow v. Fitzgerald*. For 10 points each:

[10] Name this doctrine criticized by Judge Don Willett as offering protection "as long as [you] were the first to behave badly." In 2020, Colorado's SB 217 made it harder for police accused of misconduct to use this doctrine as a defense.

ANSWER: qualified immunity [prompt on immunity]

[10] Sonia Sotomayor argued that qualified immunity "[gutted] the deterrent effect of" the Fourth Amendment, which prohibits "unreasonable" examples of searches and these other actions.

ANSWER: seizures [accept searches and seizures]

[10] Qualified immunity often requires clearly established precedent to convict cops. Common-law judges are bound to precedent by this two-word Latin phrase meaning "to stand by decisions."

ANSWER: stare decisis

<Michael Bentley, Social Science - Other> ~18087~

18. This composer wrote études with nicknames such as "Black Key" and "Revolutionary." For 10 points each:

[10] Name this Romantic pianist and composer who incorporated melodies from his native Poland into his mazurkas and polonaises.

ANSWER: Frederic Chopin

[10] Chopin's étude Opus 25, No. 10 requires the pianist to play long stretches of these perfect intervals that are often mistaken for unisons. Franz Liszt included a difficult *prestissimo* passage of them at the end of his Hungarian Rhapsody No. 2.

ANSWER: octaves [or perfect eighths]

[10] Liszt's Hungarian Rhapsody of this number in D-flat major climaxes with an exhausting passage of *staccato* octaves. Chopin's étude Opus 25, No. 8 requires the pianist's right hand to play rapid intervals spanning this many notes.

ANSWER: 6

<Jonathan Magin, Fine Arts - Music - Classical> ~18966~

19. This novel's first chapter culminates with a poet named Presley hearing the "prolonged cries of agony" of a herd of slaughtered sheep. For 10 points each:

[10] Name this 1901 novel in which ranchers are ruined by a firm headed by Shelgrim. This novel was the first in an unfinished trilogy that would have ended with *The Wolf: A Story of Europe*.

ANSWER: *The Octopus: A Story of California*

[10] In Frank Norris's *The Octopus*, one of these vehicles operated by the Pacific & Southwestern Trust is described as being "the symbol of a vast power, huge, terrible."

ANSWER: a train [or rail car or locomotive or train car; prompt on car or steam engine]

[10] Chicago finance, the subject of Norris's *The Pit*, is also explored in this author's novel *The Titan*. This Naturalist author also wrote *An American Tragedy*.

ANSWER: Theodore Dreiser

<Michael Bentley, Literature - American> ~18599~

20. While several types of this virus do not cause symptoms, several strains, especially its 16 and 18 strains, can lead to cervical cancer. For 10 points each:

[10] Name this common STI which may present with namesake genital warts. The Gardasil vaccine protects against this virus.

ANSWER: HPV [or human papillomavirus]

[10] A major reason for HPV's malignancy is its E6 protein's actions in degrading this protein, the so-called "guardian angel of the genome."

ANSWER: p53

[10] The HPV genome contains 6 of these "open" sections in its early region. These regions are the possible combinations of start and stop codons within a DNA sequence and allow a double-stranded sequence to code for up to six different translations.

ANSWER: open reading frames

<Briana Magin, Science - Biology> ~15426~

21. Philip Graves, the Constantinople correspondent for *The Times*, was the first to provide evidence that this text was a forgery. For 10 points each:

[10] Identify this antisemitic text that claims to be transcripts of a secret council meeting where the attendees plot to overthrow the governments of the world.

ANSWER: *The Protocols of the Elders of Zion* [or *The Protocols of the Meetings of the Learned Elders of Zion*; prompt on *Protocols*]

[10] This man proclaimed "All of this is undoubtedly genuine!" after reading the *Protocols of the Elders of Zion*. He was the last emperor of Russia.

ANSWER: Nicholas II [or Nikolai II Alexandrovich Romanov; prompt on Nicholas or Nikolai]

[10] A German newspaper based in this city debunked the *Protocols* in 1924. The European Central Bank was established in this city in the 1990s.

ANSWER: Frankfurt [or Frankfurt am Main]

<Michael Bentley, History - European - 1500-1900> ~18131~