

2016-17 Intercollegiate Championship
Packet 1

Tossups

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1. **One subunit of this protein has a structural domain that attaches to the IT arm [“I-T arm”] and a regulatory domain with two EF-hand motifs [E-F “hand” moh-TEEFS]. The Elecsys [“alexis”] system provides a “high-sensitivity” test for this protein, which has largely replaced creatine kinase-MB [KREE-uh-“teen” KYE-nayss-M-B] as a biomarker for myocardial damage. The letters (*) I, C, and T denote the three subunits of this protein, which dissociates from actin in response to calcium binding. For 10 points—what protein regulates muscle contraction by binding to tropomyosin?**

answer: (cardiac) troponin (accept troponin T; accept troponin I; accept troponin C; prompt on “Tn”)

<424733>

2. **Zillah Eisenstein suggested moving “beyond” this person by proposing an anti-imperial “No Basements” initiative to augment this politician’s “No Ceilings” initiative in a piece from Liza Featherstone’s book *False Choices*. Virginia Heffernan stated that this “world-historical” politician was (*) “light itself” in a piece from the *Lenny Letter*. Some supporters of this candidate dubbed themselves “nasty women.” For 10 points—name this politician who lost the 2016 presidential election.**

answer: Hillary (Diane) Rodham Clinton (accept either underlined portion)

<421589>

3. **In this state’s 1918 gubernatorial election, James Rolph won the most votes in the primaries but was prevented from running in the general election due to this state’s “cross-filing” practice. The first political consulting firm, Campaigns, Inc., was founded in this state and helped elect its governor Frank Merriam. During World War I, the progressive (*) Hiram Johnson was governor of this state. Upton Sinclair ran for governor in—for 10 points—what state that was also led by Earl Warren?**

answer: California

<406958>

4. **This album’s fifth song borrows the terms “viddy” and “cheena” from Nadsat. This album’s singer summarizes his career as “seeing more and feeling less / saying no and meaning yes” in “I Can’t Give Everything Away.” This album’s singer lies on a hospital bed wearing a bandage with two (*) buttons over his eyes in the video for a song that begins “look up here, I’m in heaven” in reference to his terminal cancer. “Lazarus” appears on—for 10 points—what album, which David Bowie released just before he died?**

answer: Blackstar

<415822>

5. **Cleantb Brooks discussed an analogy in this poem involving a phoenix by noting that “like the tapers” mentioned in this poem, the phoenix burns. This poem’s speaker alludes to his “five gray hairs” and “ruined fortune” after asking its addressee to hold his tongue and “let me love.” This poem’s speaker asks what (*) “merchant’s ships” his sighs have “drowned,” and compares his love to a “well-wrought urn.” For 10 points—name this John Donne poem whose title refers to the process by which one becomes a saint.**

answer: The Canonization

<416573>

6. William Carlos Williams's *In the American Grain* describes the “destruction” of this city, while a battle fought on the “plains of Otompan” near this city is described in an 1843 book by William Prescott. Prescott's book inspired Lew Wallace's first novel, *The Fair God*, which depicts the fall of this city in the 16th century. This city, which was founded in 1325, was named for a term for the (*) prickly pear cactus in Nahuatl [nah-WAH-tul]. For 10 points—name this capital of the Aztec empire.

answer: Tenochtitlán [tay-NOHCH-teet-LAHN]

<382578>

7. A study by Patricia Kuhl exposing infants to English and Swedish versions of these things showed that prototypical ones exert a “perceptual magnet effect.” A “Cardinal” system for classifying them, developed by Daniel Jones, began the practice of charting them at spots on an upside-down trapezoid. The Tiberian *niqqud* [nih-KOOD] represents these things. In English, a strict (*) tense-lax distinction and “Canadian raising” are two phenomena affecting—for 10 points—what sounds made using an open vocal tract?

answer: vowels (prompt on “(language) sound(s)” or “speech categories” or “phonetic categories” until “system”)

<408767>

8. This culture built the Arkadiko Bridge, one of the oldest arch bridges still in use. The Dendra panoply is a suit of armor made by this civilization, which gave large *temene* to an official known as the *lawagetas* [lah-wah-geh-tahss] and to the king, or *wanax* [WAH-nahks]. Its architecture at sites like (*) Tiryns [“TIE”-rinz] was called Cyclopean by the geographer Pausanias [paw-SAN-ee-us]. Michael Ventris deciphered the Linear B script used by—for 10 points—what late Bronze age civilization on mainland Greece that flourished after the Minoan collapse?

answer: Mycenaean [“my”-sih-NEE-un] civilization (or Mycenae)

<410659>

9. This section of a novel includes an image of “divine goodness” drawing a curtain, then “twitching the cord” to close it. In this section, a man keeps a candle lit late at night to read Virgil. A “mouldy” “beast's skull” is discovered by Mrs. McNab in this section as she cleans an empty house. (*) Prue dies after giving birth and Andrew is blown up by a shell in—for 10 points—what section in which years of storms batter the Ramsays' summer home, the second part of Virginia Woolf's *To the Lighthouse*?

answer: Part II: Time Passes (prompt on “Part II”)

<405332>

10. X is raised to this power in relations that may be solved using Cipolla's algorithm or the Tonelli-Shanks algorithm. Fermat's factorization method for n begins by finding two numbers raised to this power whose difference is n . The Legendre symbol can be used to simplify congruences involving (*) residues whose power is this number; such residues satisfy a namesake law of reciprocity proved by Gauss. b squared minus $4ac$ is the discriminant of the generic polynomial of—for 10 points—what degree?

answer: 2 (accept square or quadratic residues or law of quadratic reciprocity or quadratic polynomial)

<424649>

11. At the western end of this mountain range is Lake Egirdir, north of the city of Antalya [ahn-tahl-YAH], and its subranges include the Beydaglari, Aladaglar, and Bolkar mountains. Paralleling this range to the north are the Pontic Mountains. One can pass through it from (*) Cappadocia [kap-uh-DOH-shee-uh] by going through the Cilician Gates, and it is where the Euphrates River rises. For 10 points—what Anatolian Peninsula range that parallels the Mediterranean coast of southern Turkey is the namesake of a zodiacal constellation?

answer: Taurus Mountains (accept Beydaglari Mountains before “Beydaglari”)

<13705>

12. The creator of this musical event claimed that it was included so he would not be outdone by Ignaz Pleyel, his former student. Flautist Andrew Ashe coined the popular English name for this musical event referred to in German as the *Paukenschlag* [POW-kin-shlahg]. It occurs in (*) bar 16 of its work's second movement, and it was likened to a “firing of a fowling-piece” that wakes a sleeping shepherdess. For 10 points—what event involving a G major fortissimo chord gives Joseph Haydn's 94th Symphony its nickname?

answer: (the) surprise chord (in Franz Joseph Haydn's “Surprise” Symphony) (accept Paukenschlag before “Paukenschlag”; accept descriptive answers such as a sudden fortissimo chord or timpani stroke or drumstroke before “fortissimo”; prompt on “Surprise Symphony” or “Symphony No. 94” before “16”)

<395735>

13. **The model EEF1 describes these compounds in implicit solvents. These compounds are modeled by Lifson-Roig theory, a modification of the more general Zimm-Bragg theory. Analytical characterization of these compounds involves reagents such as FDNB or phenylisothiocyanate** [FEH-nul-"eye"-so-thai-oh-"SIGH"-an-ate]. **The rapid rate of their spontaneous (*) conformational changes is the subject of Levinthal's paradox. These molecules' phi and psi angles are the axes of Ramachandran plots. For 10 points—name these polymers of amino acids.**

answer: proteins (or polypeptides; prompt on "polymers" before "polymers"; do not accept or prompt on "amino acid(s)")

<396884>

14. **Alan Clark's diaries describe a meeting before this event at which the Blue Chip group decided to support Douglas Hurd. Kenneth Clarke was the first Cabinet member to suggest that Michael Heseltine would win the second ballot, leading to this event. A speech that included the phrase "no, no, no" preceded Geoffrey (*) Howe's resignation prior to this event, which led to John Major moving in to 10 Downing Street. For 10 points—give this 1990 event in which a Conservative prime minister stepped down.**

answer: resignation of Margaret Thatcher (accept equivalents that refer both to Margaret (Hilda) Thatcher or Margaret Hilda Roberts and the concept of resigning from office; prompt on partial answer)

<406820>

15. **A 2011 novel by Davis Schneiderman has 20 sections with this property, which is shared by the ninth and last section of David Mitchell's *number9dream*** ["number-nine-dream"]. **Alain Robbe-Grillet's *The Voyeur* uses this device to evoke a crime. It occurs twice in a row as Toby enters (*) Widow Wadman's house in *Tristram Shandy*, which also uses this device when trying to describe her looks. Princess Aoi's lover is implied to die in—for 10 points—what type of chapter, such as "Vanished into the Clouds" in *The Tale of Genji*?**

answer: blank chapters (or blank pages or empty pages; accept any answer indicating that the entire section has no (body) text or no text beyond the chapter title or number; prompt on "one-page chapters" or similar answers)

<406117>

16. **This painting was made after its artist's design of a stained glass window for a World War I memorial sparked outcry for its use of glass made in Germany. Visual jokes in this painting include the middle figure holding an imported teacup made of willow, and the figure on the left being modeled on Gilbert (*) Stuart's *Athenaeum* portrait of George Washington. Emmanuel Leutze's [LOYT-zuh's] *Washington Crossing the Delaware* is the backdrop of—for 10 points—what satirical painting of three ladies by Grant Wood?**

answer: Daughters of Revolution

<388461>

17. **The founding of this country's colonial gold-mining town of Gracias was opposed by the native Lenca [LEN-kuh] people. This country's port of Omoa [oh-MOH-uh] was controlled by fruit magnate Sam Zemurray, who fled to the U.S. during the Great Depression when Tiburcio Carías Andino [tih-BOOR-see-oh cah-REE-us ahn-DEE-noh] took power in this country. In 1998 most of Hurricane (*) Mitch made landfall in this country, where a 2009 coup ousted Manuel Zelaya [mahn-WEL seh-LYE-yah] from power. For 10 points—what Central American country fought the Soccer War with neighboring El Salvador?**

answer: Honduras (or Republic of Honduras or República de Honduras)

<398441>

18. **This function's renormalized form is given by its non-interacting form and self-energy in the Dyson equation. This function has a weight equal to the exponential of the action in the path integral formalism. A line connecting vertices in a Feynman diagram indicates this fundamental (*) solution for the Schrödinger equation, which gives the probability a particle will travel between two points. For 10 points—name this function that yields a delta function when acted on by a differential operator.**

answer: propagator (accept Green's function for the (time-dependent) Schrödinger equation or the Klein-Gordon equation; prompt on "fundamental solution" before "fundamental")

<388431>

19. **A novel about this sport ends with the murder of Charlotte Caulder, which leads Phil Elliott to stop playing this sport. A novel set at Logos College features a coach named Emmett Creed and Gary Harkness, a player of this sport who is fascinated by nuclear war. The main character of Frederick (*) Exley's *A Fan's Notes* is obsessed with a star of this sport. Frank Gifford played—for 10 points—what sport that is also depicted in Peter Gent's novel *North Dallas Forty* and Don DeLillo's *End Zone*?**

answer: American football (do not accept or prompt on “association football” or “European football” or “soccer”)
<416771>

20. **This man wrote an essay on “Guns, Bread, and Butter” in which he discussed his work with the War Resisters League. This man, the subject of the film *Brother Outsider*, asserted that “the only weapon we have is our bodies” in advocating for non-violent resistance. Though Roy Wilkins opposed this man because of his (*) sexuality, his mentor A. Philip Randolph supported his involvement in planning a 1963 protest. For 10 points—name this gay civil rights leader who organized the March on Washington.**

answer: Bayard Rustin

21. **One book by this thinker discusses the concept of the “disjunctive bar,” which separates the “this” from the “not-this,” after considering the “pain of impossibility.” This author analyzed the Holocaust denialism of Robert Faurisson in a book whose title refers to a conflict that “cannot be equitably resolved.” Another book by this author of (*) *Libidinal Economy* defines the title concept as “incredulity toward metanarratives.” For 10 points—name this author of *The Differend* and *The Postmodern Condition*.**

answer: Jean-François Lyotard

22. **The theory of these objects was confirmed by Chryssa Kouveliotou [KRIS-suh koh-vel-ee-OH-too] and collaborators using Rossi X-ray Timing Explorer observations of SGR 1806-20 [“S-G-R eighteen oh six minus twenty”] and SGR 1900+14 [“SGR nineteen hundred plus fourteen”]. Robert Duncan and Christopher Thompson hypothesized the existence of these stars, in which atoms are deformed into rods over 100 times narrower than their usual radii. Soft (*) gamma repeaters and anomalous X-ray pulsars are examples of—for 10 points—what neutron stars that can have fields of up to a quadrillion gauss?**

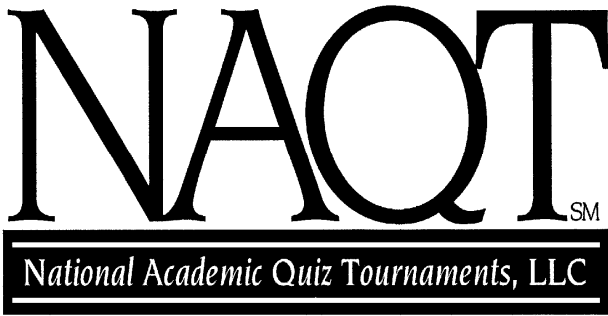
answer: magnetars (accept soft gamma repeaters before “existence”; prompt on “SGR(s)” before “SGR 1806-20”)
<403750>

23. **In 2009 the *Guardian* reported that the longtime ruler of this country ordered his “Green Boys” to conduct literal witch hunts and feed detainees a hallucinogenic potion. In January 2017 the chair of a commission in this country, Alieu Momar Njie [ah-loo moh-mar un-jye], fled it after receiving death threats. In 2017 a three- (*) country coalition invaded this country after its president refused to transfer power. Adama Barrow succeeded dictator Yahya Jammeh [YAH-yah JAH-meh] in—for 10 points—what African country surrounded by Senegal?**

answer: The Gambia (or Islamic Republic of The Gambia)

24. **This man recorded his first career interception on a Hail Mary at the end of a 2013 divisional playoff game against Seattle. In an October 2013 game against the Jets, this man caught eight passes but injured his right foot, an injury that caused him to miss much of his third NFL season. Eric (*) Rowe was defending this receiver when he made a diving sideline catch in the fourth quarter of the 2017 Super Bowl. The 2015 NFL leader in receiving yards was—for 10 points—what Atlanta Falcon?**

answer: Julio Jones (or Quintorris Lopez Jones)



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Bonuses

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1. The British narrator tries to get the player to go to the door on his left at this game's beginning. For 10 points each—
- A. Identify this game released in 2011, which begins with the title character leaving his cubicle to find that all of his co-workers are missing.
answer: The Stanley Parable
- B. In *The Stanley Parable*, Stanley is sent to the first level of this 2007 game, in which GLaDOS [GLAH-doss] guides the player through Aperture Science as the player creates the title objects.
answer: Portal
- C. *The Stanley Parable* was made using this game engine, which Valve created to make their games, such as *Half-Life*
2. The indie game *Dear Esther* was also made using it.
answer: Source Engine (accept Source 1; do not accept or prompt on “Source 2”)
- <366151>
2. For 10 points each—name these authors who wrote about overpopulation:
- A. This Stanford professor argued, incorrectly, that hundreds of millions of people would starve to death during the 1970s because of overpopulation in his *The Population Bomb*.
answer: Paul R(alph) Ehrlich
- B. In this man's dystopian novel *The Wanting Seed*, a “Ministry of Infertility” encourages people to adopt homosexuality by proclaiming “it's sapiens to be a homo.”
answer: Anthony Burgess (or John (Anthony) Burgess Wilson)
- C. This British economist argued that increases in population would overwhelm the world's “means of subsistence” in his *Essay on the Principle of Population*.
answer: Thomas (Robert) Malthus
- <370488>
3. A stockbroker named Naylor descends into alcoholism while living on the French Riviera in this man's novel *The Rock Pool*. For 10 points each—
- A. Name this Englishman who warned of the perils of book reviewing to the aspiring writer in his book *Enemies of Promise*.
answer: Cyril (Vernon) Connolly
- B. Connolly edited the magazine *Horizon*, which in 1948 published *The Loved One*, a novel by this author of *Brideshead Revisited*.
answer: Evelyn Waugh [EE-vuh-lin WAW] (or Arthur Evelyn St. John Waugh)
- C. Connolly's best-remembered book is a collection of aphorisms entitled *The Unquiet Grave*, which he published under this pseudonym. In the *Aeneid*, this pilot of Aeneas's ship fell overboard and drowned.
answer: Palinurus
- <387027>

4. For 10 points each—name these people who worked with members of the Fujiwara clan:

A. As crown prince, this emperor of Japan from 661 to 672 worked with Fujiwara clan founder Kamatari [KAH-muh-TAH-ree] to implement the Taika [TYE-kah] reform.

answer: Emperor Tenji (or Tenji-tenno; or Naka no Oe)

B. This man was backed by Fujiwara no Nobuyori in the Heiji revolt, after which his brothers Yoshitomo and Yoshihira were killed. His forces later won the Battle of Dan-no-Ura.

answer: Minamoto no Yoritomo [mih-nah-MOH-toh noh yor-ee-TOH-moh] (or Minamoto Yoritomo or Yoritomo Minamoto; prompt on “Minamoto” or “Yoritomo”)

C. Hundreds of years later, Japanese officer Fujiwara Iwaichi [ee-WAH-ee-chee] worked with this Indian nationalist to create the pro-Axis Indian National Army.

answer: Subhas(h) Chandra Bose

<406205>

5. For 10 points each—answer the following about archaeological finds on the island of Great Britain:

A. The Lindow Man and Lindow Woman are examples of these relics, which are cadavers that have undergone mummification due to being submerged in peat.

answer: bog bodies (or bog body or bog people or bog persons; prompt on other answers that include the word “bog”)

B. This site excavated in 1939 contained a complete Anglo-Saxon ship burial, most likely of a king named Rædwald [“RED-walled”].

answer: Sutton Hoo

C. One of three gold coins that have been found depicting King Offa is inscribed with this language. Dorothee Metlitzki wrote a 1977 study of the influence of cultures speaking this language on medieval England.

answer: Arabic

<396919>

6. This material-dependent constant is directly proportional to the speed of sound within a metal. For 10 points each—

A. Name this quantity, which equals \hbar times ω over Boltzmann's constant, where ω is the maximum frequency of phonon vibrational modes.

answer: Debye temperature [duh-“BY”] (or T_d; do not accept or prompt on “temperature”)

B. The Debye model is used to predict this quantity, which equals the derivative of either internal energy or enthalpy with respect to temperature.

answer: heat capacity (accept specific heat capacity or thermal capacity; do not accept or prompt on molar heat capacity)

C. Because computing the density of modes for phonons involves a difficult integral over a cube, Peter Debye approximated the integral by replacing the cube with this fraction of a different shape.

answer: an octant of a sphere (or one-eighth of a sphere; prompt on “octant” or “(one-)eighth” or “sphere”)

<424415>

7. For 10 points each—answer the following about 20th-century singer Lotte Lenya [LAH-tee LEN-yah]:

A. Lenya premiered this role in *The Threepenny Opera* in 1928. This prostitute betrays Macheath [“Mac-heath”] and is the subject of a fantasy in which she commands a pirate fleet.

answer: Jenny Diver (or Spelunken-Jenny; accept any underlined portion)

B. In 1963 Lenya portrayed Rosa Klebb in *From Russia with Love*, the second film to feature this British secret agent.

answer: James Bond (or 007 [“double-oh-seven”]; accept any underlined portion)

C. Lenya appeared opposite Vivien Leigh in this 1961 José Quintero film. It adapts a Tennessee Williams novel about an aging actress who visits Italy.

answer: The Roman Spring of Mrs. Stone

<394545>

8. This text closes with God's promise to "restore the hearts of the fathers to their children" so that he will not "smite the land with a curse." For 10 points each—
- A. Name this biblical book written in a question and answer format. It is named for a figure who may literally be God's messenger.

answer: Book of Malachi (or Book of Malachias)

- B. Malachi, which is the last book of the Old Testament, is grouped with a number of books named after "minor" figures of this type. "Major" ones include Isaiah.

answer: prophets (or Neviim; accept Minor Prophets or Major Prophets)

- C. A rabbinic gloss identifies this author with Malachi. His namesake biblical book preserves a decree by Cyrus the Great that allowed the Jews to return to Jerusalem.

answer: Ezra (accept Book of Ezra)

<417380>

9. For 10 points each—answer the following about the song "1944":

- A. The song was the winning entry in the 2016 iteration of this annual "song contest," whose competitors hail from the member countries of the EBU.

answer: Eurovision Song Contest (or Concours Eurovision de la chanson)

- B. The lyrics of "1944" concern the deportation in that year of Tatars from this region of Ukraine.

answer: Crimea (or Crimean Peninsula or Krym or Kryms'kiy pivostriv or Krymskiy poluostrov)

- C. This singer, a hereditarily Crimean ["cry-ME"-un] Tatar, won the 2016 Eurovision contest for Ukraine with her song "1944."

answer: Jamala [yah-MAHL-uh] (or Susana Alimivna Jamaladinova)

<425954>

10. This man contributed to the Classical style by recording his theory of human proportions in a now-lost book. For 10 points each—

- A. Name this ancient Greek sculptor of *Diadoumenos* ["DIE"-ad-OO-meh-nohss].

answer: Polykleitos [pahl-ee-KLYE-tuss]

- B. Polykleitos created this sculpture of an athlete throwing a javelin.

answer: Doryphoros [dor-IH-fuh-russ]

- C. The *Doryphoros* exhibits the chiastic [kye-ASS-tik] pose, a refinement of this principle of resting weight on one leg first seen in *Kritios Boy*.

answer: contrapposto [kahn-truh-PAHSS-toh]

<381060>

11. This technique is often monitored using reflection high-energy electron diffraction, or RHEED ["reed"]. For 10 points each—

- A. Name this technique that uses Knudsen effusion cells in an ultra-high vacuum to fabricate semiconductor devices such as quantum dots one layer at a time.

answer: molecular beam epitaxy (or MBE; prompt on "epitaxy")

- B. Molecular beam epitaxy is an example of this phase transition in which a gas becomes a solid. It is the opposite of sublimation.

answer: deposition

- C. This other deposition technique is used to prepare samples for scanning electron microscopy by coating them with a thin film of conducting material. It involves bombarding a substrate with high-energy gaseous ions.

answer: sputtering (or sputter deposition; or sputter coating)

<402696>

12. The Unitarian minister Edward Payne founded a communal city in California inspired by the utopia described in this novel. For 10 points each—
- A. Name this novel in which Mr. Twelvemough entertains the title character, Aristides Homos, who tells him about a country in which money has been abolished.
answer: A Traveler from Altruria
- B. *A Traveler from Altruria* was written by this novelist, who wrote about a paint magnate who builds a house in Boston in his masterpiece *The Rise of Silas Lapham*.
answer: William Dean Howells
- C. In a novel by Edward Bellamy, this character falls asleep in the 19th century and wakes up in the year 2000, where he discovers that the U.S. has become a utopia.
answer: Julian West (accept any underlined portion) [The novel is *Looking Backward*.] <397074>
13. The second president of the John Birch Society, Larry McDonald, was killed on this flight. For 10 points each—
- A. Name this flight that was shot down by Gennadi Osipovich when it entered Soviet airspace in 1983.
answer: KAL007 (or Korean Air Lines Flight 007 or KE007; prompt on “Korea(n Air Lines)” or “Flight 007”)
- B. At the time the flight was shot down, this man had been the leader of the Soviet Union for less than a year; he was succeeded by Konstantin Chernenko in 1984.
answer: Yuri (Vladimirovich) Andropov
- C. In this journalist's book *The Target Is Destroyed*, he argued that the U.S. government falsely asserted that the flight was shot down deliberately. He wrote about Israel's nuclear program in *The Samson Option*.
answer: Seymour Hersh (or Sy Hersh or Seymour Myron Hersh) <407982>
14. In March 2015 the term “general council,” which previously referred to the bodies governing these political units, was changed. For 10 points each—
- A. Name these bodies, which are smaller than an administrative region but larger than a commune. There are 101 of them.
answer: departments of France (or départements; do not accept or prompt on “overseas departments” or “départements d'outre-mer”)
- B. The only overseas department of France in South America is this region, which includes Devil's Island.
answer: French Guiana [gee-AH-nuh] (or Guyane française; do not accept or prompt on “Guyana”)
- C. The newest French department, established in 2011, is this overseas department where the French language co-exists with the indigenous Shimaore language.
answer: Mayotte <424005>
15. Ludwig van Beethoven wrote a cadenza for this work by another composer, which is the only work of its kind that Beethoven performed in concert. For 10 points each—
- A. Name this orchestral work in D minor, whose finale begins with an ascending theme known as a “Mannheim rocket.”
answer: Piano Concerto No. 20, K. 466 (accept either underlined portion; prompt on “Piano Concerto”)
- B. That work is one of the 27 piano concerti by this composer; it is followed by one that has since been nicknamed “Elvira Madigan.”
answer: Wolfgang Amadeus Mozart (or Johannes Chrysostomus Wolfgangus Theophilus Mozart)
- C. This composer wrote cadenzas to a number of Mozart piano concerti, including the 20th. His other works include a *Trumpet Concerto* in E major written for Anton Weidinger [VYE-din-gur].
answer: Johann Nepomuk Hummel <393953>

16. A porphyry ["POOR-fur"-ee] sculpture group in Saint Mark's Basilica in Venice was long thought to depict these people. For 10 points each—

A. Name this set of four rulers established by Diocletian to manage the late Roman empire. Its junior members were called *caesar*.

answer: Tetrarchy (or the four Tetrarchs)

B. Along with Milan and Nicomedia [nik-oh-MEE-dee-uh], this now-German city was a capital under the Tetrarchy, which built the brick Constantine Basilica in this city.

answer: Trier (or Augusta Treverorum)

C. This tetrarch issued an Edict of Toleration a few years before Constantine's Edict of Milan. This owner of the Felix Romuliana villa near modern-day Gamzigrad [GAHM-zih-grad] appointed Maximin Daia ["DIE-uh"] to serve as his *caesar*.

answer: Galerius [guh-LAY-ree-us]

<407057>

17. Both Philostratus [fil-oh-STRAH-tuss] and Theocritus [thee-AH-kruh-tiss] describe this villain as having a single eyebrow and a single eye. For 10 points each—

A. Name this giant who eats six of Odysseus's men.

answer: Polyphemus

B. Philostratus also relates how Polyphemus sings a song while trying to woo this nymph. A woman of this name was a statue of ivory that came to life.

answer: Galatea [gal-ah-TEE-uh] [Galatea was the name of the statue made by Pygmalion.]

C. In Philostratus's description, Galatea rides a chariot pulled by these animals. The inventor of the dithyramb [DIH-thih-ram] was once saved by these animals.

answer: dolphins (prompt on "cetaceans") [The dithyramb was invented by Arion, who was saved by dolphins after he was kidnapped by pirates.]

<365530>

18. This man's writings were anthologized by Norman Mailer in the volume *Genius and Lust*. For 10 points each—

A. Name this author whose time in Paris is recounted in a work that opens "I have no money, no resources, no hopes. I am the happiest man alive."

answer: Henry (Valentine) Miller

B. Those words open this 1934 book by Miller. The Supreme Court voted to lift a ban on this book in the case of *Grove Press v. Gerstein*.

answer: Tropic of Cancer

C. Miller described the end of his first marriage in *Sexus*, the first volume of this autobiographical trilogy.

answer: The Rosy Crucifixion

<383252>

19. Among this group of cases was one involving a conductor who refused to allow an African-American woman to ride in a "ladies" car on a train. For 10 points each—

A. Name this set of 1883 cases in which the Court struck down a federal law prohibiting racial discrimination in public accommodations.

answer: Civil Rights Cases

B. This justice, whose grandson also served on the Supreme Court, was the sole dissenter in the Civil Rights Cases. He was also the only dissenter in *Plessy v. Ferguson*.

answer: John Marshall Harlan

C. In the elder Justice Harlan's dissent in *Hurtado v. California*, he pioneered this doctrine that the Bill of Rights applies to state governments. Hugo Black argued for a "total" form of this doctrine.

answer: incorporation (accept incorporated or incorporates or total incorporation)

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20. For 10 points each—answer the following about an epidural hematoma [HEE-muh-TOH-muh], a type of traumatic brain injury:
- A. It can be treated by performing this procedure, in which a bone flap is temporarily removed from the skull to reach the brain, and then “evacuating” the clotted blood.
answer: craniotomy
- B. Unlike in subdural hematomas, in epidural hematomas, the blood does not cross these fibrous joints between the bones of the skull.
answer: sutures or suture joints (prompt on “synarthrosis” or “synarthroses”)
- C. Epidural hematomas may be due to rupturing an artery that supplies the dura mater, the outermost of these membranes surrounding the brain.
answer: meninges
21. Peter Ruckman's “Advanced Revelation” argument is an extreme form of this belief. For 10 points each—
- A. Name this movement among some conservative Protestants, which ascribes higher accuracy or divine inspiration to the product of the Hampton Court Conference.
answer: King James Only movement (accept King James Version Only or KJV Only; do not accept or prompt on descriptive answers such as “the King James Version is the only acceptable version of the Bible”)
- B. A historical argument for King James Only claims that modern Bible translations use corrupt Egyptian sources, as opposed to this body of Greek manuscripts from which all Reformation New Testaments were translated.
answer: Textus Receptus or Received Text
- C. The Textus Receptus was collated by this Dutch humanist, who wrote *In Praise of Folly* in Latin and befriended Thomas More.
answer: Desiderius Erasmus
22. An anonymous “Invective Against” this man justified his expulsion from the Senate by Appius Claudius Pulcher in 50 BC. For 10 points each—
- A. Name this Roman statesman, who wrote about the two campaigns conducted by Quintus Caecilius Metellus against the title figure in his book *The Jugurthine War*.
answer: Sallust (or Gaius Sallustius Crispus)
- B. Another of Sallust's works served as the basis of this author's unsuccessful tragedy *Catiline His Conspiracy*. This man's more successful works include *Volpone*.
answer: Ben Jonson (or Benjamin Jonson)
- C. In the 14th book of his poems, which is known as the *Apophoreta*, this poet of the first century AD declared that Sallust was the “prince of historians.”
answer: Martial (or Marcus Valerius Martialis)
23. This country's Atlantis resort contains an infamous covered water slide that becomes see-through while surrounded by a shark tank. For 10 points each—
- A. Name this archipelago country between Florida and Cuba, where cruise ships often dock at Freeport. Its capital is on the island of New Providence.
answer: The Bahamas (or Commonwealth of the Bahamas)
- B. Within the Bahamas, the Inagua islands are a breeding site for these birds genus *Phoenicopterus* [FEE-nih-kahp-TAIR-us], as well as the brine shrimp they feed upon.
answer: (pink) flamingoes (or Phoenicopterus ruber or American flamingo or Caribbean flamingo; accept greater flamingo)
- C. This elaborate celebration occurs on many Bahamas islands on Boxing Day, on New Years', and in mid-summer. During it, a “rush-out” calls people into the streets for a colorful parade.
answer: Junkanoo

24. For 10 points each—identify these optical materials:

A. This is the standard material for optical fibers used in telecommunications. It's the primary component of sand.

answer: glass or silica or silicon dioxide (or SiO₂; prompt on “quartz”)

B. This III-V [“three-five”] semiconductor with a direct band gap of 1.424 electron-volts is a very efficient infrared light source and is the typical substrate in red LEDs.

answer: gallium arsenide [GAL-lee-um AR-suh-nyde] (or GaAs)

C. The most common gain medium for solid-state lasers is this synthetic mineral doped with neodymium [NEE-oh-DIM-ee-um]. Its strongest optical transition is at 1064 nanometers.

answer: YAG (or yttrium aluminum garnet or Y₃Al₅O₁₂)

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