



2016-17 Intercollegiate (Division II)  
Packet 1

Tossups

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1. **This man was described by Robert Frost as “content with the old fashioned way to be new” in a preface to his last work, *King Jasper*. This man's sonnet, “The Clerks,” and ballad, “John Evereldown,” were part of a series of poems about residents of (\*) Tilbury Town. In one of those poems, he created a “gentleman from sole to crown” who “went home and put a bullet through his head.” For 10 points—name this poet of “Richard Cory.”**

answer: Edwin Arlington Robinson

<424581>

2. **The formation of the largest of these objects involves runaway gas accretion in the core accretion model. Konstantin Batygin and Mike Brown suggested that an as-yet unseen one of these objects can explain a strange clustering of scattered disk objects. Laplace hypothesized that these objects formed from a (\*) nebula that once surrounded the Sun. “Rocky” and “Jovian” are classes of—for 10 points—what bodies such as Venus?**

answer: planets (of the Solar System; accept exoplanets or extrasolar planets or gas giants before “unseen”)  
[The second sentence refers to the hypothesis that there is a ninth planet far beyond Pluto.]

<426493>

3. **This man notched his first interception on a Hail Mary at the end of a 2013 playoff game against Seattle. In another 2013 game against the Jets, he *caught* eight passes but injured his foot, causing him to miss much of the season. Eric Rowe was defending this (\*) receiver when he made a leaping sideline catch near the end 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) [Jones was in the Seattle game as an extra defensive back to guard against a long throw.]

<425144>

4. **This novel includes an image of “divine goodness” drawing a curtain, then “twitching the cord” to close it. Prue dies after giving birth and Andrew is blown up by a shell in a section of this novel called (\*) “Time Passes.” The statement “Life stand still here” is pondered by Lily Briscoe in this novel set on the Isle of Skye. The Ramsays appear in—for 10 points—what Virginia Woolf novel titled for a seaside structure?**

answer: To the Lighthouse

<425324>

5. **This quantity equals the line integral of momentum, and its “abbreviated” form is considered minimal in Maupertuis's [moh-per-TWEE'z] principle. Planck's constant is a quantum of this quantity. The time integral of the (\*) Lagrangian [luh-GRAHN-jee-in] equals this quantity which, for a physically realized path, assumes an extreme or stationary value. For 10 points—name this subject of a physical “principle” asserting systems will display its “least” value.**

answer: action (accept classical action; principle of least action)

<380284>

6. A “Cardinal” system for classifying these linguistic concepts, developed by Daniel Jones, began the practice of charting them at spots on an upside-down trapezoid. The “tense-lax distinction” is often used to classify English examples of these sounds. Late in the Middle English period, a (\*) “Great Shift” altered the pronunciation of— for 10 points— what speech sounds produced using an open vocal tract?

answer: vowels or vowel sounds (do not accept or prompt on “sounds” or “speech categories” or “phonetic categories” or “phonemes” or “syllables” or “semivowels”)

&lt;425133&gt;

7. In 2009 *The Guardian* reported that the longtime ruler of this country ordered his “Green Boys” to conduct literal witch hunts. In January 2017 election commissioner Alieu Momar Njie [ah-LOO moh-MAR un-JYE] fled this country. In 2017 a multinational 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)

&lt;425146&gt;

8. The Stubbenkammer [STOO-ben-KAHM-mur]— a site famed for views of this type of natural feature— is the setting of the painting *Chalk Cliffs on Rügen*, which shows it behind a tree and mountains. This is the main natural feature visible in *The Stages of Life*, by Caspar David Friedrich. This type of natural feature surrounds the central (\*) vessel in Winslow Homer's *Breezing Up*. For 10 points— name this feature of which seven could be “sailed.”

answer: sea(s) (accept oceans; accept seascapes; prompt on “water” or “coast”; do not accept or prompt on “lake” or “river” or other smaller scale bodies of water; do not accept or prompt on “harbor”)

&lt;418400&gt;

9. This man resigned his post as the first Director of National Service, a short-lived office created during World War I. Despite declaring “I have friends in this House,” he fell from power during the Norway Debate. This man was prime minister during the so-called “Western (\*) betrayal” that began with the Munich Agreement. Winston Churchill succeeded— for 10 points— what British prime minister who promised “peace for our time?”

answer: (Arthur) Neville Chamberlain [“CHAMBER”-lin]

&lt;402737&gt;

10. A poem by this man discusses his “five gray hairs” and “ruined fortune” and asks the addressee to hold his tongue and “let me love.” He asked what “merchant's ships” his sighs “drowned” in a poem comparing his love to a “well-wrought urn.” In another poem he noted “two bloods mingle” in an (\*) insect that “suck'd me first, and now sucks thee.” “The Canonization” and “The Flea” are by— for 10 points— what Metaphysical poet of the *Holy Sonnets*?

answer: John Donne [“done”]

&lt;425158&gt;

11. William Carlos Williams's *In the American Grain* describes the “destruction” of this city, whose fall is also depicted in Lew Wallace's first novel, *The Fair God*. The Battle of Otumba followed a 1520 retreat from this city, which became known as “La (\*) Noche Triste” [lah NOH-chay TREE-stay]. This city was legendarily founded in 1325 on the spot where an eagle eating a snake sat atop a cactus. For 10 points— name this capital of the Aztec empire.

answer: Tenochtitlán [tay-NOHCH-teet-LAHN] (do not accept or prompt on “Mexico City”)

&lt;425127&gt;

12. 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

&lt;425294&gt;

13. In this country, the term "zud" describes severe winters that kill large numbers of livestock. Over 40% of this country's population lives in its capital, the world's coldest. It is home to the world's last remaining species of wild horse, the Przewalski's [pur-zhuh-VAHL-skee'z] horse. Dinosaur eggs were first discovered in this country's (\*) Gobi Desert. For 10 points—name this landlocked Asian country whose capital is Ulaanbaatar [oo-LAHN BAH-tor].

answer: Mongolia (or Mongol Uls)

&lt;399175&gt;

14. The variable is raised to this power in modular congruences that are solvable by Cipolla's [chee-"POLE"-lah'z] algorithm or the Tonelli-Shanks algorithm. Legendre symbols are used to simplify congruences with residues whose power is this number, which satisfy a "law of (\*) reciprocity" proved by Gauss [rhymes with "house"]. In the hailstone sequence, even numbers are divided by—for 10 points—what degree of polynomials whose discriminant is written " $b^2 - 4ac$ " ["b squared minus 4 a c"]?

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

&lt;426289&gt;

15. This man was the subject of the film *Brother Outsider*. He asserted that "the only weapon we have is our bodies" in advocating for non-violent resistance. Although 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

&lt;425148&gt;

16. The creator of this album summarized his career as "seeing more and feeling less / saying no and meaning yes" in its song "I Can't Give Everything Away." Its artist 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 released just before David Bowie's death?

answer: Blackstar

&lt;425135&gt;

17. Upon UV damage to certain DNA-associated proteins, this moiety replaces a SUMO moiety. Enzymes that remove this moiety are largely cysteine proteases that cleave the glycine-lysine bond formed by E1, E2, and E3 enzymes. Modification with this moiety often tags a protein for (\*) degradation by the proteasome. For 10 points—name this regulatory protein that, as its name suggests, is present in almost all eukaryotic cells.

answer: ubiquitin

&lt;426259&gt;

18. This musical work's best-known feature was included to show up a competing composer, Ignaz Pleyel [IG-nahtz PLAY-yel]. That feature's name was coined by flautist Andrew Ashe, and Germans refer to it as the *Paukenschlag* [POW-kin-shlahg]. Bar 16 of this work's second movement was likened to the (\*) "firing of a fowling-piece" that wakes a sleeping shepherdess. A G-major fortissimo chord provides the nickname of—for 10 points—what symphony by Joseph Haydn?

answer: Surprise Symphony or Symphony No. 94 in G major (or Ninety-Fourth Symphony; accept Surprise or (Symphony No.) 94 or Ninety-Fourth by themselves after "symphony")

&lt;425130&gt;

19. A colonial town in this nation named Gracias [GRAH-see-ahss] faced threats from the Lenca [LEN-kuh] people. Its port of Omoa [oh-MOH-uh] was once controlled by U.S. fruit magnate Sam Zemurray [zeh-MUR-ee]. In 1998 most of Hurricane Mitch made landfall in this country, where a 2009 coup ousted (\*) Manuel Zelaya [mahn-WEL zay-LYE-yah]. It was briefly invaded following a 1969 World Cup qualifying match. For 10 points—what Central American nation fought the Soccer War with neighboring El Salvador?

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

&lt;425141&gt;

20. **Lifson-Roig theory describes these compounds, which can be analytically characterized using reagents such as FDNB or phenylisothiocyanate** [FEH-nul-"eye"-so-"THIGH"-oh-"SIGH"-an-ate]. **These molecules' phi and psi angles are the axes of (\*) Ramachandran plots, which predict when these compounds have beta sheets or alpha helices. They contain numerous amide** [AY-myde] **bonds formed by the condensation of carboxyl and amino groups. For 10 points—name these polymers of amino acids.**

answer: proteins (or polypeptides; prompt on "polymers" before "FDNB")

&lt;425062&gt;

21. **A 1962 book whose title refers to these events argues that they are rendered "invisible" by "historical misconstructions"; that book also argues that these events are presaged by "anomalies" that lead to a "crisis" that is resolved by the establishment of a new (\*) "paradigm." The "puzzle-solving" of "normal science" is discussed in a book on "The Structure of"—for 10 points—what transformative events theorized by Thomas Kuhn** [koon]?

answer: scientific revolutions (accept The Structure of Scientific Revolutions; prompt on "revolution(s)")

&lt;425887&gt;

22. **Zillah Eisenstein suggested moving "beyond" this politician by critiquing the "No Ceilings" initiative in a piece from Liza Featherstone's book *False Choices*. Virginia Heffernan dubbed this politician "light itself" in a piece from the *Lenny Letter*. Some supporters of this (\*) candidate dubbed themselves "nasty women" following a 2016 debate. For 10 points—name this politician who lost the 2016 presidential election.**

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

&lt;425142&gt;

23. **A novel about this sport ends with the murder of Charlotte Caulder. Another novel about it is set at Logos College and features a player named Gary Harkness, who is fascinated by nuclear war. Jeanne Marie Laskas wrote about pathologist Bennet (\*) Omalu's discovery that chronic traumatic encephalopathy was killing its players. For 10 points—name this sport depicted in Laskas's *Concussion* and Don DeLillo's *End Zone*.**

answer: American football (do not accept or prompt on "association football" or "European football" or "soccer")

&lt;425129&gt;

24. **In 1918 James Rolph was prevented from running for governor in this state's general election because of the "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, progressive (\*) Hiram Johnson was governor of this state. Upton Sinclair ran for governor in— for 10 points—what state also led by Earl Warren?**

answer: California

&lt;425143&gt;



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Packet 1

Bonuses

- 
1. Both Philostratus and Theocritus 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 brought to life by Aphrodite.  
answer: Galatea [Galatea was the name of the statue made by Pygmalion.]
- C. In Philostratus's description, Galatea rides a chariot pulled by these animals. Dionysus turned a bunch of pirates into these creatures when they tried to kidnap him.  
answer: dolphins (prompt on "cetaceans")
- <425478>
2. This book 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 text written in a question-and-answer format, the last book of the Hebrew Bible, or Christian Old Testament.  
answer: Book of Malachi (or Book of Malachias)
- B. Malachi 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, once joined with the Book of Nehemiah, preserves a decree by Cyrus the Great that allowed Jews to return to Jerusalem.  
answer: Ezra (accept Book of Ezra)
- <425650>
3. 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  $\hbar \omega$  over Boltzmann's constant, where  $\omega$  is the maximum frequency of phonon vibrational modes.  
answer: Debye temperature [duh-"BY"] (or T<sub>d</sub>; do not accept or prompt on "temperature")
- B. The Debye model is used to predict this quantity, which represents the amount of energy needed to raise a substance's temperature by one degree.  
answer: heat capacity (accept specific heat capacity or thermal capacity; accept molar heat capacity)
- C. The Debye model predicts that the vibrational component of heat capacity is proportional to temperature raised to this power. When the van der Waals equation is written as a polynomial in terms of volume, this is the degree of the polynomial.  
answer: 3rd power or degree 3 (accept 3rd degree; accept cubed; accept cubic polynomial)
- <425484>

4. The second president of the John Birch Society, Larry McDonald, was killed on a flight of this airline. For 10 points each—
- A. Name this airline whose Flight 007 was shot down when it entered Soviet airspace in 1983.  
answer: Korean Air Lines or KAL
- 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 his book *The Target Is Destroyed*, this journalist argued that the U.S. government falsely asserted that the flight was shot down deliberately. He won a Pulitzer Prize for publicizing the My Lai massacre.  
answer: Seymour Hersh (or Sy Hersh or Seymour Myron Hersh)
- <425333>
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 among the many bog bodies found mummified by submersion in this partly decayed organic material.  
answer: peat (accept turf)
- B. This site excavated in 1939 contained a complete Anglo-Saxon ship burial, most likely of a king named Rædwald.  
answer: Sutton Hoo
- C. A gold coin issued by this king of Mercia surprisingly bears an Arabic inscription. He is credited with constructing a large earthen dyke along the border between England and Wales.  
answer: Offa (of Mercia; accept Offa's Dyke)
- <425486>
6. At the start of this game, the British narrator tries to get the player to go to the door on his left. 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 she creates the title wormholes.  
answer: Portal
- C. Both *The Stanley Parable* and *Portal* were made using the Source engine, which this company developed and used to create *Half-Life 2*.  
answer: Valve (Corporation)
- <425483>
7. A porphyry [ˈPOOR-furˈ-ee] sculpture group embedded within Saint Mark's Basilica in Venice was long thought to depict this set of people. For 10 points each—
- A. Name this set of four rulers established in 293 to manage the late Roman empire. Its senior members were called *augustus* and its junior members were called *caesar*.  
answer: Tetrarchy (or the four Tetrarchs)
- B. This emperor established the Tetrarchy nine years after he came to the throne in 284.  
answer: Diocletian [ˈDIEˈ-uh-KLEE-shun] (or Diocles; or Gaius Aurelius Valerius Diocletianus Augustus)
- C. Along with Milan and Nicomedia [nik-oh-MEE-dee-uh], this now-German city was a capital under the Tetrarchy, which built a brick building now known as the Constantine Basilica here.  
answer: Trier (or Augusta Treverorum)
- <425491>

8. For 10 points each—answer the following about author Cyril Connolly:

A. 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)

B. Connolly wrote a collection of aphorisms entitled *The Unquiet Grave*, which he published under the pseudonym Palinurus, taken from the name of a pilot in this epic poem by Virgil about a refugee from Troy.

answer: Aeneid

C. Connolly's *Enemies of Promise* describes his education at this prestigious English boarding school. According to an apocryphal quote, the Battle of Waterloo was won “upon its playing-fields.”

answer: Eton College [EE-ton]

&lt;425606&gt;

9. For 10 points each—answer the following about an epidural hematoma, 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 (do not accept or prompt on “trepanning” or “craniectomy”)

B. Epidural hematomas are often detected by CT scans; the 'T' in CT stands for this practice of imaging a series of cross-sections. It is also the 'T' in PET scan.

answer: tomography (accept computed tomography or positron emission tomography)

C. Epidural hematomas most often occur due to rupture of an artery that supplies the dura mater, the outermost of these membranes surrounding the brain.

answer: meninges [meh-NIN-jeez] (accept menynx)

&lt;425530&gt;

10. 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 which has been largely occupied by Russia since 2014.

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

C. This singer, a hereditary 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)

&lt;426458&gt;

11. This instrument is the soloist in Takashi Yoshimatsu's [tah-kah-shee yoh-shee-maht-soo's] *Cyber Bird Concerto*. For 10 points each—

A. Name this instrument, the only woodwind instrument for which Alexander Glazunov [glah-zoo-NOFF] wrote a concerto.

answer: (alto) saxophone

B. This composer used an alto saxophone in his music for the ballet *Job*: [johb] *A Masque for Dancing*, and a tenor saxophone in his Sixth Symphony.

answer: Ralph [rayf] Vaughan Williams (prompt on partial last name)

C. This John Adams opera, which prominently features a saxophone quartet, depicts the title figure's meeting with Mao Zedong.

answer: Nixon in China

&lt;403632&gt;

12. 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 in the 1961 film *The Roman Spring of Mrs. Stone*, which was adapted from a novel by this author of the plays *Vieux Carré* and *The Milk Train Doesn’t Stop Here Anymore*.  
answer: Tennessee Williams (or Thomas Lanier Williams III)
- <425485>
13. For 10 points each—answer the following about molecular beam epitaxy:
- A. It is often monitored using the “reflection high-energy” form of this process with electrons. In this process, a wave bends as it passes an obstacle.  
answer: diffraction (accept reflection high-energy electron diffraction; prompt on “RHEED” [“reed”])
- 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)
- <425473>
14. This group of cases included *Robinson v. Memphis and Charleston Railroad Company*, which involved 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 that prohibited racial discrimination in public accommodations.  
answer: Civil Rights Cases
- B. John Marshall Harlan, the sole dissenter in the Civil Rights Cases, was also the only dissenter in this 1896 case that established the “separate but equal” doctrine.  
answer: Plessy v. Ferguson (or Homer A. Plessy v. John H. Ferguson; accept any underlined portion)
- C. In Harlan's dissent in *Hurtado v. California*, he pioneered the “incorporation” doctrine, which holds that these fundamental protections apply as against the states. The last of these measures reserves unenumerated powers “to the States . . . or to the people.”  
answer: United States Bill of Rights (accept answers that mention the first ten amendments to the U.S. Constitution; do not accept or prompt on “amendments (to the U.S. Constitution)” or similar answers)
- <425493>
15. This man's writings were anthologized by Norman Mailer in the volume *Genius and Lust*. For 10 points each—
- A. Name this author who wrote “I have no money, no resources, no hopes; I am the happiest man alive” at the beginning of his memoir *Tropic of Cancer*.  
answer: Henry (Valentine) Miller
- B. Miller's *Tropic of Cancer* was primarily written and set in this European capital city. George Orwell described being “down and out” in this city and London.  
answer: Paris, France (accept Down and Out in Paris and London)
- C. Miller described the end of his first marriage in *Sexus*, the first volume of this autobiographical trilogy.  
answer: The Rosy Crucifixion
- <425480>



16. 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 in France, 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 [ghee-AH-nuh] (or Guyane française; do not accept or prompt on "Guyana")

C. The newest French department, established in 2011, is Mayotte. Like the overseas department of Réunion, Mayotte lies in this ocean.

answer: Indian Ocean

&lt;425477&gt;

17. This clan's founder Kamatari worked with future Emperor Tenji to implement the Taika reform. For 10 points each—

A. Name this clan whose head Michinaga was the de facto ruler of Japan in the early 11th century.

answer: Fujiwara clan

B. The Fujiwara clan's influence peaked during this period of Japanese history, which followed the Nara period and was described in Sei Shonagon's *Pillow Book*.

answer: Heian [hay-ahn] period

C. During the Heian period, Japan's capital was this city called the "capital of a thousand years" by UNESCO.

answer: Kyoto

&lt;425475&gt;

18. 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 SiO<sub>2</sub>; 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. Some polarizers and waveplates are made of this birefringent mineral, particularly its transparent Iceland spar variety.

answer: calcite (prompt on "calcium carbonate" or "CaCO<sub>3</sub>")

&lt;425474&gt;

19. 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 dramatist's more successful works include *Volpone*.

answer: Ben Jonson (or Benjamin Jonson)

C. Sallust's writings on the Catiline conspiracy also inspired *Catiline*, the first play by this man. His later plays include *Pillars of Society* and *When We Dead Awaken*.

answer: Henrik (Johan) Ibsen

&lt;425655&gt;

20. Peter Ruckman argued that this text represented an “Advanced Revelation.” For 10 points each—
- A. Name this text whose production was commissioned as a result of the Hampton Court Conference of 1604.  
answer: King James Bible or King James Version (or Authorized Version; prompt on “(English) Bible” or “KJB” or “KJV”)
- 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 *The Handbook of a Christian Knight* and *The Praise of Folly* in Latin and befriended Thomas More.  
answer: Desiderius Erasmus <425489>
21. 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 archipelagic country between Florida and Cuba, where cruise ships often dock at Freeport. Its capital is Nassau.  
answer: The Bahamas (or Commonwealth of the Bahamas)
- B. Within the Bahamas, the Inagua [ih-NAH-gwah] islands are a breeding site for these birds of 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. Two thirds of the population of the Bahamas lives on this island, which is home to Nassau.  
answer: New Providence <425479>
22. Totemic forms of African art inspired this man's *Spoon Woman* sculpture. For 10 points each—
- A. Name this Swiss artist of *Woman with Her Throat Cut*, who sculpted thin, elongated figures in his *Walking Man* series.  
answer: Alberto Giacometti [jah-koh-MET-tee]
- B. In 2015 a Giacometti sculpture showing a man doing this action set the record for the most expensive sculpture sold. It shows a standing figure with an arm outstretched.  
answer: Pointing Man (or Man Pointing or L'homme au Doigt)
- C. In 1961 Samuel Beckett approached Giacometti to design this object for the set of *Waiting for Godot*, which he created out of plaster. Vladimir [vlah-DEE-meer] and Estragon [ESS-truh-gahn] spend much of the play standing near this lone object.  
answer: tree <397897>
23. Stanford professor Paul Ehrlich incorrectly predicted that hundreds of millions of people would starve to death during the 1970s in a book titled for this type of “bomb.” For 10 points each—
- A. Give this term for the number of members of a species that reside in the same general area.  
answer: population (accept The Population Bomb)
- B. 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
- C. 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) <425487>

24. For 10 points each—name these authors of American utopian novels:

A. The utopian novel *A Traveler from Altruria* was written by this man, who wrote about a paint magnate who builds a house in Boston in his masterpiece *The Rise of Silas Lapham*.

answer: William Dean Howells

B. Julian West falls to sleep in the 19th century and wakes up in the year 2000, where he discovers that the U.S. has become a utopia, in this man's novel *Looking Backward*.

answer: Edward Bellamy

C. An asexually reproducing society of women appears in *Herland*, a utopian novel by this woman who also wrote the short story "The Yellow Wallpaper."

answer: Charlotte Perkins Gilman (or Charlotte Perkins Stetson; accept any underlined portion)

<425436>