

2022-2023 IQBT Regular Season Set #1
Round 1 – Tossups

1. **The title character of a novel by this author, who was explored in detail in an earlier short story titled for being “On Bond Street,” dislikes the religious teacher Doris Kilman. In another novel by this author, Andrew is killed during World War I and Prue dies during childbirth in the experimental (*) “Time Passes” section. In the final section of that novel by this author, Lily Briscoe completes her painting and James gets to visit the title structure. For 10 points, name this author of *Mrs. Dalloway* and *To the Lighthouse*.**

ANSWER: Virginia Woolf [or Adeline Virginia Stephen]

2. **A letter to this philosopher was the first to ask if a blind person experienced at touching objects could recognize the objects upon being granted sight. This recipient of the Molyneux (MOHL-in-oo) Problem wrote that properties such as color and texture are “secondary” in a book that denies the existence of (*) “innate ideas.” This author of *An Essay Concerning Human Understanding* endorsed slavery in his constitution for the Province of Carolina, despite his 1689 defense of natural rights. For 10 points, name this author of the *Second Treatise on Government*.**

ANSWER: John Locke

3. **This politician argued for the winning side in the Supreme Court case *Van Orden v. Perry*, which permitted the display of the Ten Commandments on state property. This governor was criticized over supervision of ERCOT after his state endured a power (*) grid failure in February 2021 following ice storms. This politician was interrupted by his 2022 Democratic challenger, Beto O'Rourke, during a press conference about the Robb Elementary School shooting in Uvalde (yoo-VAL-dee). For 10 points, name this current governor of Texas.**

ANSWER: Greg Abbott [Gregory Wayne Abbott]

4. **A monarch from this city initiated a process of “gathering lands” under its rule using high-interest loans and thus became known as “Kalitá” (KAH-lit-AH) or “moneybags.” A “Grand Prince” from this city reclaimed autonomy from the Tatars at the Great Stand on the (*) Ugra River. That prince of this city married the former Byzantine princess Zoe Palaiologina (PAIL-ee-oh-LOWG-ee-nah) and promoted the idea of this city as “the third Rome.” A form of the word “Caesar” began to be used in 1547 by the grand princes of this city. For 10 points, name this city where Ivan IV (ee-VAN the fourth) proclaimed himself “tsar.”**

ANSWER: Moscow [or Grand Duchy of Moscow; do not accept or prompt on “Muscovy”]

5. **After this player was reportedly “blown away” by the Clippers' free agent pitch, that team signed GM Doc Rivers's son Austin instead. This player tweeted that he “can't win a championship with those cats” in the third person, revealing that he used burner accounts. After winning the 2014 MVP, this player gave an emotional speech in which he told his (*) mother, “You the real MVP.” For 10 points, name this current Net and former Thunder player who joined the Golden State Warriors in 2001, where he won two finals MVPs.**

ANSWER: Kevin Durant [Kevin Wayne Durant]

6. This *lower* of the two featured instruments in Mozart's E-flat *sinfonia concertante* (**sin-FOH-nee-ah kahn-sir-TAHN-tay**) is labeled “da braccio” (**dah BRAH-choh**) in the sixth *Brandenburg Concerto*. This instrument is usually tuned “C G D A,” unlike a similar instrument called “da gamba.” Parts for this instrument are typical “inner voices” in Classical (*) quartets and are in the alto clef. This instrument is the second most numerous in most orchestras, after another instrument also played on the shoulder. For 10 points, name this bowed instrument pitched between the larger cello and smaller violin. ANSWER: viola [or viola da braccio; do not accept or prompt on “viola da gamba” or “viol”]

7. Choctaw aid during this event is commemorated by the sculpture *Kindred Spirits* in Midleton. Charles Trevelyan's (**trev-EL-yin's**) staunch *laissez-faire* (**LAY-zay FAIR**) beliefs limited direct aid toward victims of this event. Protestant schools engaging in “Souperism” during this event caused friction with the local population. (*) Coffin ships transported people across the Atlantic away from this event, which pushed Robert Peele to repeal the Corn Laws. A disease known as “blight” led to, for 10 points, what event that depleted the population of a European island in the 1840s? ANSWER: Irish Potato Famine [or Great Famine; or Great Hunger; or an Gorta Mór]

8. In the Lyman series, this form of radiation is emitted when an electron jumps to a higher energy level in a hydrogen atom. The prediction that a black body would emit an unbounded amount of energy at this radiation's wavelength is known as its “catastrophe.” A type of spectroscopy (**spek-TRAH-skuh-pee**) measures absorption in both the (*) visible region and this region of the spectrum. Blacklights emit this form of radiation, which lies just above X-rays on the EM spectrum. For 10 points, name this harmful type of radiation from the sun that sunscreen protects against. ANSWER: ultraviolet [or UV]

9. The narrator of this book decries men who live like ants, claiming that a man need not “count more than his ten fingers, or in extreme cases... add his ten toes” while preaching “Simplicity, simplicity, simplicity!” This book claims that many people “lead lives of quiet (*) desperation.” The main character of this book splits his needs into “Food, Shelter, Clothing, and Fuel” in its opening chapter, “Economy,” while planning to practice a self-sustaining life. For 10 points, name this book about “Life in the Woods” near a pond, by Henry David Thoreau. ANSWER: Walden [Walden: or, *Life in the Woods*]

10. TOP10 and DH10B are strains of this organism that are utilized in cloning experiments. The O157:H7 strain of this organism produces Shiga toxin and can cause hemolytic uremic (**HEE-moh-lit-ik yoo-REE-mik**) syndrome. The majority of urinary tract infections are due to a (*) pathogenic strain of this organism. This non-viral organism was used to study semi-conservative DNA replication by Meselson (**MEE-zul-sun**) and Stahl. The lac operon (**LAK AH-puh-ron**) was first characterized in this organism. For 10 points, name this Gram-negative, rod-shaped bacterium that can cause food poisoning. ANSWER: E. coli [Escherichia coli]

11. In an opera by this composer, a slave girl notes how the title character is “girdled with ice” in the aria (**AH-ree-ah**) “Tuche di gel sei cinta” (**TOO kay dee jel say CHEEN-tah**). The Jasmine Flower Song represents the title character of an opera by this composer, which was stopped by Arturo Toscanini (**ar-ah-TOO-roh toh-skah-NEE-nee**) in Act 3 where this man died writing. A (*) gong is struck three times in an opera by this composer, who wrote an aria sung by a man who answers three riddles and predicts a woman will not know his name, titled “Nessun Dorma” (**nay-SOON DOR-mah**). For 10 points, name this Italian composer of the China-set opera *Turandot* (**too-RAN-dot**). ANSWER: Giacomo Puccini

12. A speech by this politician told of people begging him “don't frighten us by telling us the facts.” That speech by this politician posited the “spearhead of resistance to world conquest” as part of the “Arsenal of Democracy.” This man discussed the freedoms of speech and worship, and from (*) want and fear, in his Four Freedoms speech. In his first inaugural address, this President stated, “the only thing we have to fear is fear itself.” For 10 points, name this President who gave the “Day of Infamy” address after Pearl Harbor.

ANSWER: Franklin Delano Roosevelt [or FDR; prompt on Roosevelt]

13. These languages can be grouped by which dorsal consonant starts the word for “hundred” in their centum/satem (KENT-um/SAY-tum) distinction. A reconstructed text demonstrating an extinct form of these languages incorporates these languages' presumed ancient concern with livestock, wheeled vehicles, and (*) plains. A branch of this language family underwent the Grimm's Law sound change. Sanskrit, Persian, Greek, and Russian are examples of, for 10 points, what large language family that also includes the Romance languages and Germanic languages such as English?

ANSWER: Indo-European languages

14. This device utilizes a shielding element constructed from Kapton E, and it appears purple due to doped silicon in its outer layers. This device, which is deployed near the Sun-Earth L₂ Lagrange point, is named after the NASA (*) administrator during the Apollo program. The primary component of this device is separated into eighteen hexagonal segments made of gold-plated beryllium. This device works primarily in the infrared (IN-fruh-red). spectrum. For 10 points, name this successor to the Hubble Space Telescope whose first photos were released in July 2022.

ANSWER: James Webb Space Telescope [or JWST; prompt on Webb]

15. A painting from this movement shows American flags hanging along Fifth Avenue in the rain. A painting by an artist from this movement depicts a woman in a striped dress cleaning a smaller person's feet in a water basin. After moving to Paris, an American artist who was part of this movement painted (*) *The Child's Bath*. Louis Leroy gave this movement its name after visiting an exhibition including a sketch-like painting of an orange sunrise. For 10 points, name this 19th-century art movement whose artists included Mary Cassatt and Claude Monet (MOH-nay).

ANSWER: Impressionism [or American Impressionism; or The Ten or Ten American Painters before “moving to Paris” is read]

16. A poem by this author describes someone wondering if a sailing cloud will “hit or miss the moon.” That poem by this author features a dialogue between Warren and Mary about how to help the title character, Silas. This author of “Death of the Hired Man” wrote a poem whose speaker says “I have (*) promises to keep and miles to go before I sleep.” In another poem, this author wrote about a decision that “made all the difference.” For 10 points, name this poet who wrote “Stopping by Woods on a Snowy Evening” and “The Road Not Taken.”

ANSWER: Robert Frost [Robert Lee Frost]

17. The product of the principal curvatures at a given point gives a curvature named for this mathematician. Row-reduction is a form of this mathematician's namesake elimination. This mathematician showed how to use just a straightedge and compass to construct a (*) heptadecagon. The central limit theorem states the sampling distribution of a random variable's mean approximates a distribution commonly named for this mathematician. For 10 points, identify this German mathematician who names the normal distribution, also known as the bell curve.

ANSWER: Carl Friedrich Gauss

18. An instigating factor for this event was the death of over sixty people in Jaleh (JAH-leh) Square on “Black Friday.” This event ultimately brought to power a man who advocated the Guardianship of the Jurist system. During this event, the SAVAK (SAH-vahk) secret police were dissolved and a man whose ideas were popularized on clandestine (*) cassette tapes returned from exile in Najaf (nah-JAHF). Student supporters of this event stormed an American embassy and took 66 hostages. The Pahlavi (PAH-lah-vee) Dynasty ended in, for 10 points, what 1979 event that brought Ayatollah Khomeini (AI-uh-toh-lah koh-may-NEE) to power?

ANSWER: Iranian Revolution of 1979 [or Islamic Revolution; or Engelāb-e Eslāmī]

19. A novel by this author features a plan to smuggle information using a microdot hidden on a tattoo. That novel by this author is told primarily through a frame narrative called the *Ardua Hall Holograph*. This author wrote that novel, *The Testaments*, as a sequel to a novel in which a Latin phrase meaning (*) “Don't let the bastards grind you down” inspires a protagonist who is forced to play Scrabble with the Commander. For 10 points, name this author who described Offred joining the Mayday movement in *The Handmaid's Tale*.

ANSWER: Margaret Atwood [Margaret Eleanor Atwood]

20. This island's territory of Mongibel (MAHN-jee-BEL) was often used as the location of Morgan le Fay's castle in Arthurian romances. A volcano on this island, which once erupted so much lava that it filled in the harbor of Catania, is legendarily where the philosopher Empedocles (emp-ED-uh-kleez) jumped to his death. The Aeolian (ay-OL-ee-un) Islands, just off this larger island's north, include the namesake of (*) strombolic (strahm-BAH-lik) volcanoes. Mount Etna is about ninety miles southeast of Palermo (puh-LAIR-moh) on, for 10 points, what island that is separated by the Strait of Messina from the “boot” of Italy?

ANSWER: Sicily [or Sicilia]

21. In this play, the title character stands on a mountain and watches clouds shaped like two women diverge. This play has both a prelude set “in the Theatre” and a prologue set in Heaven. The title character of this play and a being who earlier disguised himself as a poodle watch a performance on Walpurgis (vahl-POOR-gis) Night. In this play, (*) Helen of Troy is summoned for the Emperor. The title scholar of this play signs a pact in blood with the demon Mephistopheles (meff-eye-stoff-O-leez). For 10 points, name this two-part tragedy by Johann (YO-hahn) Wolfgang von Goethe (GUR-tuh).

ANSWER: Faust [or Faust, Part One; or Faust, Part Two; or Faustus; do not accept or prompt on “Doctor Faustus”]

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Round 1 – Bonuses

1. This artist used French Orientalist techniques in his *The Death of Sardanapalus* (**SAR-duh-NAH-puh-lus**). For 10 points each:

[10] Name this artist of the Orientalist painting *The Women of Algiers* who also created *Liberty Leading the People*.

ANSWER: Eugene **Delacroix** (**del-ah-kwah**) [Ferdinand Victor Eugène **Delacroix**]

[10] Orientalist painting grew in popularity after Napoleon's invasion of Egypt, which also inspired this artist's *Bonaparte Visiting the Plague Victims of Jaffa* (**YAH-fah**).

ANSWER: Antoine-Jean **Gros** (**ahn-TWAH jawn GROH**) [or Jean-Antoine **Gros**]

[10] Orientalist artist Jean Ingres (**jawn AHNG**) created a circular painting depicting many nude women in a bathhouse in this present-day country. Sedefkar Mehmed Agha (**sed-ef-KAR mek-MED AH-gah**) designed the Blue Mosque here.

ANSWER: **Turkey** [or Republic of **Türkiye**; or **Turkey** Cumhuriyeti]

2. Belief in these beings is listed second among six articles of faith that also include belief in God's oneness and prophets. For 10 points each:

[10] Name these creatures made of light. One of them called Jibril revealed the Quran to Muhammad.

ANSWER: **angels** [or **malak**; or **mala'ik**; or **mala'ikah**; or **archangels**]

[10] Scholars debate whether the tempters Harut and Marut, mentioned in this surah, are fallen angels. This longest chapter of the Quran contains the Throne Verse.

ANSWER: surat al-**Baqarah** [or The **Cow**; or The **Heifer**; or surah **2**; or the **second** surah]

[10] Because this Kurdistan ethnic group venerates Melek Tawus (**MAY-lek TAO-oos**), an angel who shares traits with Iblis, some Muslims have accused them of “devil worship.”

ANSWER: **Yazidis** [or **Yezidis**; or **Ezidis**; or **Yazidism**]

3. Tacitus (**TASS-it-us**) wrote an ethnography about this region describing such groups as the Ingaevones (**ing-ai-VOH-nays**). For 10 points each:

[10] Name this region to the north of the Roman Empire, also inhabited by the Marcomanni (**MAR-koh-MAH-nee**) and Alemanni (**AH-lay-MAH-nee**). Romans were killed here during a battle in which Arminius (**ar-MIN-ee-us**) betrayed Varus.

ANSWER: **Germania** [or **Germany**]

[10] After this 9 AD battle in Germania, at which Roman forces were destroyed by the Cherusci (**chay-ROO-skee**), Augustus supposedly said, “Quintilius (**kwin-TIL-ee-us**) Varus, give me back my legions!”

ANSWER: Battle of the **Teutoburg** (**TOY-toh-burg**) Forest [or **Teutoburger Wald**]

[10] Germania was often defined as being east of this river in present-day western Germany. A “land” named for this river included Cologne.

ANSWER: **Rhine** River

4. In a play by this author, the title character is saved when Trygaeus (**trug-AY-us**) rides a dung beetle to heaven. For 10 points each:

[10] Name this author of *Peace* as well as a play in which Philocleon (**fil-AH-KLEE-on**) is addicted to court cases, *The Wasps*.

ANSWER: **Aristophanes** (**aa-ris-TAH-fuh-nee-z**)

[10] In this Aristophanes play, Dionysus and Xanthias (**ZAN-thee-us**) travel to the underworld to bring back Euripides (**yur-IP-id-ee-z**). The title creatures of this play chant “Brekekekéx-koáx-koáx.”

ANSWER: *The **Frogs*** [or ***Batrachoi***]

[10] Xanthias has this relationship to Dionysus at the beginning of the play, though the roles later switch. The Roman playwright Terence was released from this status as an appreciation of his talent.

ANSWER: **slave** [or **enslaved**; or in **slavery**]

5. This program was named for the Secretary of State who proposed it in a 1947 speech at Harvard. For 10 points each:

[10] Name this American aid program that paid to rebuilt countries including West Germany after World War II.

ANSWER: **Marshall Plan** [or **European Recovery Program**; or **ERP**]

[10] Marshall Plan funds were implemented in West Germany by this Christian Democratic Chancellor, whose 1949 to 1963 time in office oversaw an “economic miracle.”

ANSWER: Konrad **Adenauer** [Konrad Hermann Joseph **Adenauer**]

[10] West Germany's coal and steel industries were severely restricted for five years after this 1945 Allied conference held outside Berlin, which decided how to administer Germany after World War II.

ANSWER: **Potsdam** Conference

6. This poem was devoted to Queen Elizabeth I, whom it depicts as Gloriana. For 10 points each:

[10] Name this epic poem by Edmund Spenser. It focuses on the Redcrosse Knight, who fights enemies such as Sansjoy and Error.

ANSWER: *The **Faerie Queene***

[10] Redcrosse battles Archimago (**arch-ee-MAH-goh**), an evil character of this type. Another character with this powerful identity, who assists Vortigern (**VOR-tig-urn**) and Arthur, is Merlin.

ANSWER: **wizard** [or **sorcerer**; or **mage**; or **magician**; or **warlock**]

[10] Mary Thomas Crane has argued for a re-evaluation of this poet's importance in Elizabethan literature. This author of “Doubt of Future Foes” and “On Monsieur's Departure” etched poems into a prison cell at Woodstock and delivered the “Golden Speech.”

ANSWER: **Elizabeth** herself [or Queen **Elizabeth I**; or the **Queen**; since Elizabeth has already been mentioned in this question, further specificity is not needed]

7. This law states that the restoring force is equal to displacement, and its formula has a constant, k , which measures a spring's stiffness. For 10 points each:

[10] Name this law which defines the force necessary to extend a spring.

ANSWER: **Hooke's law**

[10] Hooke's law describes how the elastic force causes a mass on a spring to oscillate, resulting in this kind of motion.

ANSWER: **simple harmonic** motion [prompt on **harmonic** motion]

[10] Simple harmonic motion is independent of this measure of the maximum distance that is traveled by a mass on a spring.

ANSWER: **amplitude**

8. The real-life pilot Beverley Bass appears as a character in this musical. For 10 points each:
[10] Name this musical by Irene Sankoff and David Hein based on events in Gander, Newfoundland, that recounts its premise in the song “38 Planes.”

ANSWER: **Come From Away**

[10] *Come From Away* had a record-breaking run at this theater in Washington, D.C., which was much earlier the site of an interrupted showing of *Our American Cousin* in 1865.

ANSWER: **Ford's** Theatre [Abraham Lincoln was assassinated during *Our American Cousin*.]

[10] *Come From Away* centers on the aftermath of this terrorist attack, which suspended Broadway performances for two days in 2001.

ANSWER: **9/11** [or **September 11th**, 2001 terrorist attacks; or attack on or destruction of the **World Trade Center** or **WTC** or **Twin Towers**]

9. This is the second central moment of a probability distribution. For 10 points each:

[10] Name this statistical measure which is calculated as the average of the squared differences.

ANSWER: **variance**

[10] This measure of how close a data set is to the set's mean is the square root of the variance.

ANSWER: **standard deviation** [or **SD**]

[10] Under the empirical rule of standard deviation, the percentage of values that are expected to lie within one standard deviation of the mean is closest to this whole number percentage.

ANSWER: **68%**

10. The mouth of this river is located in the town of Napoleon, which was damaged during the Civil War. For 10 points each:

[10] Name this river that flows through Pine Bluff and Fort Smith, as well as a city located at the foothills of the Ouachita (**WASH-it-ah**) Mountains.

ANSWER: **Arkansas** River

[10] The Arkansas River is a tributary of this longest U.S. river, which flows into the Gulf of Mexico.

ANSWER: **Mississippi** River

[10] The Arkansas River also passes through this city that contains Oral Roberts University and the former Greenwood District, also called Black Wall Street.

ANSWER: **Tulsa**

11. This woman and her sister Ethel Byrne created a new facility after visiting the Netherlands. For 10 points each:

[10] Name this woman who opened the first birth control clinic in the U.S. and wrote “What Every Girl Should Know.”

ANSWER: Margaret **Sanger** [Margaret Higgins **Sanger**]

[10] Sanger's American Birth Control League later became this alliteratively named organization that provides reproductive health care.

ANSWER: **Planned Parenthood** [**Planned Parenthood** Federation of America, Inc.]

[10] Sanger's pamphlet *Family Limitation* led to prosecution under this 1873 act, which banned the sending of “obscene” materials in the mail.

ANSWER: **Comstock** Laws [or **Comstock** Act]

12. For the cover of this character's first appearance, he was portrayed as white rather than his normal color. For 10 points each:

[10] Name this round, pink creature from Planet Popstar, the hero of early games set in Dream Land.

ANSWER: **Kirby**

[10] The latest Kirby adventure is this Switch title. In this game, Kirby gains the ability to swallow and control real world objects such as stairs and cars.

ANSWER: *Kirby and the **Forgotten Land***

[10] This rival of Kirby has wings and wields a sword. He names the first Colosseum challenge in *Kirby and the Forgotten Land*.

ANSWER: **Meta Knight**

13. The father of this family is the focus of a 2006 Pulitzer Prize winning novel by Geraldine Brooks.

For 10 points each:

[10] Name this family. A member of this family, Beth, dies after contracting scarlet fever.

ANSWER: **March** family [or the **Marches**]

[10] Meg, Jo, Beth, and Amy March are the main characters of this novel by Louisa May Alcott.

ANSWER: **Little Women**

[10] *Little Women* frequently alludes to this earlier novel. At a younger age, the children in *Little Women* pretended that their cellar was the City of Destruction from this novel.

ANSWER: The **Pilgrim's Progress** [*The **Pilgrim's Progress** from This World, to That Which Is to Come*]

14. In an opera, this woman enters as a bacchante (**buh-KANT-ee**) at a party where guests dance the “Infernal Galop.” For 10 points each:

[10] Name this character, the wife of the title hero in the opera *Orpheus in the Underworld*.

ANSWER: **Eurydice** (**yur-ID-uh-see**)

[10] Eurydice returns to earth at the beginning of the third act of *Orfeo ed Euridice*, an earlier operatic adaptation of the legend by this German composer, who included “The Dance of the Blessed Spirits” in his score.

ANSWER: Christoph Willibald **Gluck**

[10] The “Infernal Galop” section from Jacques Offenbach's *Orpheus in the Underworld* uses this popular music hall dance in which a female chorus line repeats high kicks.

ANSWER: **can-can**

15. A book of infamous headlines from this newspaper is titled for a 1983 frontpage that read “Headless Body in Topless Bar.” For 10 points each:

[10] Name this Rupert Murdoch-owned newspaper, founded by Alexander Hamilton, that also operates the gossip site Page Six.

ANSWER: **New York Post** [prompt on *The Post*]

[10] The *New York Post* is considered an example of this type of sensationalist journalism, exemplified by the British *Daily Mirror*. Newspapers in this physical format are singly-folded on a vertical spine, as opposed to larger “broadsheets.”

ANSWER: **tabloids**

[10] Murdoch also owns this business-focused newspaper founded by Charles H. Dow.

ANSWER: **Wall Street Journal** [or **WSJ**]

16. This mammalian taxon has adapted to fill many ecological niches on the island of Madagascar. For 10 points each:

[10] Name this superfamily of mammals that includes the sifaka (**see-FAH-kah**) and a “ring-tailed” species.

ANSWER: **lemurs** [or **Lemuroidea**]

[10] Lemurs belong to this large mammalian order that includes tarsiers (**TAR-seerz**), bush babies, and humans.

ANSWER: **primates**

[10] This superfamily contains five families, including the only primates with fully prehensile tails and such species as the capuchins (**KAP-uh-chinz**) and spider monkeys.

ANSWER: **New World** monkeys [or **Ceboidea**]

17. After this warlord's death, his son Hideyori (**HEE-day-YOR-ee**) surrendered power to Tokugawa Ieyasu (**TOH-koo-GAH-wah EE-ay-YAH-soo**). For 10 points each:

[10] Name this second “great unifier” of Japan, who launched the Imjin War and succeeded Oda Nobunaga (**OH-dah noh-boo-NAH-gah**).

ANSWER: Toyotomi **Hideyoshi** (**toy-oh-toh-mee hee-day-YOH-shee**) [or **Hideyoshi** Toyotomi]

[10] The Imjin War consisted of two invasions of this peninsula, whose Joseon (**joh-SAHN**) navy forced the Japanese to withdraw from Pyongyang.

ANSWER: **Korea** [or **Korean** Peninsula]

[10] Hideyoshi also initiated the construction of a gigantic castle in, and named for, this city, where Hideyoshi's son and wife Yodo-dono (**yoh-doh-doh-noh**) committed ritual suicide after the Tokugawa burned the structure down.

ANSWER: **Osaka** (**OH-sah-kah**)

18. A poem that includes this character was adapted into a 2021 film directed by David Lowery. For 10 points each:

[10] Name this character who gives a challenge on the New Year seeking to be matched in a “beheading game” in a Middle English poem.

ANSWER: the **Green Knight** [or **Bertilak** de Hautdesert]

[10] The Green Knight's opponent, Gawain (**guh-WAIN**), serves in the court of this king, who ruled from Camelot and founded the Round Table.

ANSWER: King **Arthur** [or **Arthur** Gernow; or Roue **Arzhur**]

[10] While resisting the temptations of the Green Knight's disguised wife, Gawain accepts a silk belt after refusing a glove and one of these objects. In other myths, Perceval and Gareth both become invulnerable by wearing this kind of object.

ANSWER: magic **ring** [or golden **ring**; or red gold **ring**]

19. In an analysis of this person's laptop, *The Washington Post* was unable to verify most of the data as being authentic. For 10 points each:

[10] Name this son of the current President of the United States.

ANSWER: **Hunter Biden** [or **Robert Hunter Biden**; prompt on **Biden**]

[10] Twitter's blocking of links to news stories about Hunter Biden's laptop was used to criticize this portion of the Communications Decency Act. This section of the law protects website hosts against liability for content created by third parties.

ANSWER: Section **230**

[10] Hunter Biden's role on this Ukrainian energy company's board was also the subject of controversy in 2020.

ANSWER: **Burisma** [**Burisma** Holdings Limited]

20. A system of carbonic acid and the bicarbonate ion act as this kind of substance in the blood. For 10 points each:

[10] Name these solutions, consisting of a weak acid and its conjugate base, that resist changes in pH.

ANSWER: **buffers**

[10] This equation states that the pH of a buffer solution is equal to the acid dissociation constant plus the log of base concentration over acid concentration.

ANSWER: **Henderson-Hasselbalch** equation

[10] A buffer containing Tris-HCl (**triss hydrochloride**) and potassium chloride is generally used in this technique to create optimal conditions for the activity of *Taq* polymerase (**tak puh-LIM-uh-rayz**).

ANSWER: **PCR** [or **polymerase chain reaction**]

21. A novel written by this author revolves around the search for the outlaw Joaquin Murieta (**wah-KEEN moo-ee-AY-tah**). For 10 points each:

[10] Name this author of the novel *Daughter of Fortune* and the sequel *Portrait in Sepia*, who wrote an earlier story about the magical Trueba (**troo-AY-bah**) family.

ANSWER: Isabel **Allende** (**ai-EN-day**) [Isabel Angélica **Allende** Llona]

[10] Allende often writes in the “magical” form of this genre. The original form of this genre was a late 19th-century movement that attempted to depict social issues accurately.

ANSWER: **realism** [or magical **realism**]

[10] Allende wrote a 2005 novel about this pulp hero, who was introduced in Johnston McCulley's 1919 novel *The Curse of Capistrano*, set in Spanish colonial southern California.

ANSWER: **Zorro** [or Don Diego de la **Vega**]