

2022-2023 IQBT Regular Season Set #1
Round 7 – Tossups

1. The largest one of these objects was discovered in Low-Frequency Array data, at over sixteen million lightyears across, and is named Alcyoneus (al-SAI-uh-noos). Cosmic voids are generally found in between filaments of these objects. Vera Rubin's study of the (*) rotation curves of these objects provided evidence for the existence of dark matter. Edwin Hubble created a tuning fork diagram for classifying these objects based on shape, such as elliptical or spiral. For 10 points, name these large star systems such as the Andromeda and the Milky Way.

ANSWER: galaxy [galaxies]

2. A character from a story by this author rants about being descended from the Godhighs and mentions “a plantation and two hundred slaves.” That character created by this author is told to go to “reducing class at the Y” for high blood pressure and gives Carver a (*) penny, leading to her stroke. This author of “Everything That Rises Must Converge” also wrote a story in which the cat Patty Sing causes a car accident. That story by this author ends with The Misfit shooting a grandmother. For 10 points, name this author of “A Good Man is Hard to Find.”

ANSWER: Flannery O'Connor [Mary Flannery O'Connor]

3. One of these objects “pierced” on its southeast corner commemorates Muhammad's ascension on the Night Journey. *Istilam* (IST-il-em) is performed on one of these objects used to count the seven circumambulations performed during *tawaf* (tah-WAHF). That “Black” object of this type is affixed to the eastern corner of the (*) Kaaba. On *Eid al-Adha* (EED ahl-AH-dah), three *jamarat* (JAH-mah-raht) are struck with these objects thrown by pilgrims, in memory of Ibrahim throwing them at the Devil. For 10 points, the octagonal shrine on the Temple Mount in Jerusalem is called the “Dome of” what kind of object?

ANSWER: stones [or rocks; or pebbles; or Pierced Stone; or Foundation Stone; or Sakrah; or Sela; or Noble Rock; or Black Stone; or al-Hajaru al-Aswad; or Stoning of the Devil]

4. Members of this religious group were promised tax exemptions in the Edict of Potsdam to encourage them to emigrate to Brandenburg-Prussia. An expedition led by the Duke of Buckingham tried to relieve a siege of members of this group at La Rochelle (RO-shell). Members of this group were targeted in the (*) St. Bartholomew's Day massacre, 26 years before Henry IV (the fourth) issued the Edict of Nantes (NAHNT) to extend official toleration to this group. For 10 points, name this group of Protestants that fought against the French crown during the Wars of Religion.

ANSWER: Huguenots [or French Protestants, prompt on Protestants]

5. Marc BreauX (BRO) and Dee Dee Wood collaborated on the choreography for this musical's song “Step in Time.” In this musical, two children clean their room during a song that describes “an element of fun” in “every job that must be done.” Before (*) Jane and Michael visit their father in this musical, a character sings “Feed the Birds.” Bert the chimney-sweep sings “Chim Chim Cher-ee” in this musical, whose title character sings “A Spoonful of Sugar” while looking after the Banks children. For 10 points, name this musical about a magical nanny.

ANSWER: Mary Poppins

6. The Chief Justice's concurrence to this case labeled its full holding “unnecessary to decide the case before us” and suggested simply discarding the “viability line.” This Supreme Court ruling raised concerns about the privacy of apps such as Flo. After this ruling was announced, Joe Manchin and Susan (*) Collins publicly said they felt misled. In 2022, *Politico* published a leaked majority opinion by Samuel Alito months ahead of the official release of this case's ruling. For 10 points, name this Supreme Court case which overturned *Roe v. Wade*.

ANSWER: *Dobbs v. Jackson* [or *Dobbs v. Jackson Women's Health Organization*; or *Dobbs v. Jackson Women's Health Organization*]

7. A book written for this emperor has a name translating to “political science” and lists many potential *Vyanjana* (vee-ahn-YAH-nah), or disguises, that spies can use. Another book, the *Indica*, was written by the Seleucid (sel-YOO-sid) ambassador to this man's court, Megasthenes (meg-AS-thuh-nee-z). Kautilya's (koh-TEEL-yuh's) *Arthashastra* (ARTH-aa-SHAH-struh) was written under this monarch, who conquered (*) Magadha (MUG-ud-huh) and Pataliputra (PAH-tal-ee-POO-truh), the capital of the Nanda Empire. This man starved himself to death as a Jain monk and left his empire to Bindusara (BIN-doo-sar). For 10 points, name this grandfather of Ashoka (ah-SHOW-kuh) and founder of the Mauryan Empire.

ANSWER: Chandragupta (CHAN-druh-gup-TAH) Maurya [or Sandrokottus; do not accept or prompt on “Chandra”]

8. 28 copies of a sculpture of this character are depicted in Salvador Dalí's painting *The Hallucinogenic Toreador* (TOR-ee-uh-dor). A mammoth ivory figurine sometimes known by this proper name was unearthed in Hohle Fels (HOH-leh FELSS); another figurine known by this name is from Willendorf (VEEL-en-DORF). A sculpture of this character, attributed to Alexandros of Antioch (ANT-ee-ock), is missing (*) both arms. A 1486 painting shows this nude deity standing on a seashell. For 10 points, name this Roman goddess depicted in a sculpture rediscovered on Milos (MEE-lowsh), whose “Birth” was painted by Sandro Botticelli (BOH-tee-CHEL-ay).

ANSWER: Venus [or *Venus de Milo*; or *Venus of Willendorf*; or *Venus of Hohle Fels*; or *The Birth of Venus*; prompt on Aphrodite until “Roman” is read]

9. Many members of this phylum have specialized organelles that raise an operculum (oh-PERK-yoo-lum) to evert drilling threads. A protein that fluoresces (flor-ESS-es) green in ultraviolet light was first isolated in a member of this phylum. Nematocysts (nee-MAT-uh-sists) are found in animals of this phylum, which contains the classes scyphozoa (SAI-fuh-ZOH-uh) and (*) hydrozoa (HAI-druh-ZOH-uh), the latter encompassing all of its freshwater members. Members of this phylum may progress from a polyp to a medusa, and in either form they are radially symmetrical. For 10 points, name this phylum that includes corals and jellyfish.

ANSWER: Cnidaria (nai-DAYR-ee-uh) [or cnidarians]

10. This poem ends with mourning of its title character as “Kindest to his people and keenest to win fame.” The epithet “God-cursed” for a villain of this poem reflects that character's descent from Cain. The title character of this epic uses the sword (*) Hrunting (RUN-ting) against the mother of an earlier foe, before finally perishing when accompanied by Wiglaf as he fights a dragon. The main character of this poem severs a monster's arm to defend the hall Hrothgar (ROTH-gar). For 10 points, name this Old English epic in which the title character slays Grendel.

ANSWER: *Beowulf*

11. The “blue lights” gathered in this state to participate in an event presided over by George Cabot. Joseph Wadsworth protected a document named for this state from Edmund Andros, which was co-written by Thomas Hooker. This state's Royal Charter was hidden in the (*) Charter Oak. A bicameral legislature balancing the interests of small and large states was included in a compromise named for this state proposed by Roger Sherman. A meeting of Federalists who opposed the War of 1812 took place in, for 10 points, what state's city of Hartford?

ANSWER: Connecticut

12. This man was the older collaborator in a pair that refined Boole's rule and the trapezoidal rule for numerical integration, with Roger Cotes (“COATS”). Derivatives with respect to time often use this mathematician's notation of dots above the differentiated variable. A common differential equations exercise involves calculating temperature changes using this person's (*) law of cooling. This mathematician and Gottfried Leibnitz (LYBE-nits) independently created calculus. For 10 points, name this scientist who included calculus principles in his three laws of motion.

ANSWER: Isaac Newton

13. A shamisen (SHAH-mee-sen) accompanies traditional performances involving these objects in a practice known as “joruri” (JOR-oo-ree). Three people called the “omozukai” (oh-moh-zoo-kai), “hidarizukai” (hee-dah-ree-zoo-kai), and “ashizukai” (ah-see-zoo-kai) collaborate to hold these objects during performances. “Kuroko” (koo-ROH-koh) are people who wear (*) black robes and use these objects to perform. These objects are central to a genre of theater that inspired the later kabuki (kuh-BOO-kee). Japanese bunraku (BOON-rah-koo) uses, for 10 points, what painted objects that are manipulated by human operators to perform plays?

ANSWER: puppets [or bunraku puppets; or ningyō; do not accept or prompt on “marionettes”]

14. This song is interpolated into John Corigliano's (kuh-RIL-ee-AH-noh's) piece *The Mannheim Rocket*. Six variations on this song open the first book of violin instruction by Shinichi (she-NEE-chee) Suzuki. A 19th-century poem by Jane Taylor provides the most common set of lyrics to this song, which was the subject of twelve variations by (*) Mozart. The French melody “Ah! vous dirai-je, maman” (AH VOO deer-ai juh MAH-mahn) became this song in English. The alphabet song shares a tune with, for 10 points, what song about an object “like a diamond in the sky?”

ANSWER: “Twinkle, Twinkle, Little Star” [or “Ah! vous dirai-je, maman!” until it is read; or the alphabet song until it is read; or the ABCs until “alphabet song” is read]

15. A goddess of plowing inspired the name of this city's Gefion (GAYF-yahn) Fountain, which is located near its Kastellet (kaas-TEL-et) citadel. Jacques Saly's (SAH-lee's) 39-foot equestrian statue of Frederick V (the fifth) is at the center of the four-palace Amalienborg (ay-MAIL-een-BOR) complex in this city, where the Rutschebanen (ROW-chib-AIN-en) roller coaster may be found at (*) Tivoli (TEEV-lee) Gardens. Since 2000, this city has been linked to Malmö (maa-AAL-muh) via the Øresund (oo-RAY-sunt) Bridge. The island of Zealand is home to, for 10 points, what national capital, where a statue of the Little Mermaid honors Hans Christian Andersen?

ANSWER: Copenhagen

16. When constructing these measures, psephologists (seff-AH-luh-jists) try to avoid the mistakes infamously made by the *Literary Digest*. The declining use of landlines can lead to a major coverage error when creating these measures. Dishonesty from participants in these measures can manifest as the (*) “Bradley effect” or “Shy Tory factor.” Improving the reliability of an index of these measures was the original purpose of Nate Silver's website FiveThirtyEight. For 10 points, name these measures created by firms such as Zogby and Gallup to forecast election results.

ANSWER: polls [or opinion polls; or electoral polls; or Presidential polls; prompt on surveys]

17. This poem describes a location which has flames that produce “no light, but rather darkness visible.” This poem ends as characters “hand in hand with wandering steps and slow” take a “solitary way.” This poem opens by describing “Man's First (*) Disobedience, and the Fruit of that Forbidden Tree.” A character in this epic says it is “better to reign in Hell, than serve in Heav'n” to Beelzebub (**bee-AL-zuh-bub**). Satan rebels against God in, for 10 points, what English epic titled for the expulsion of Adam and Eve from the Garden of Eden and written by John Milton?

ANSWER: Paradise Lost

18. The diameter of a carbon nanotube can be determined using a form of this technique named for an Indian scientist. Samples may be prepared for this technique using a laser shot into a matrix to ionize a sample with minimal fragmentation, in the (*) MALDI process. The output of a form of this technique consists of a diagnostic region and a fingerprint region. A common form of this technique is used to analyze the mass-to-charge ratio of ions. For 10 points, name this analytical technique that has Raman and infrared (**IN-fruh-red**) variants.

ANSWER: spectroscopy [or spectrometry; or mass spectrometry; or Raman spectroscopy; or infrared spectroscopy; or IR spectroscopy]

19. This team briefly unretired Frank Tripucka's (**trip-YOO-kuh's**) number after signing a free agent in 2012. After trading their Pro-Bowl starting quarterback to the Bears before the 2009 season, this team started Kyle Orton. This team had a disastrous start to Super Bowl XLVIII (48) as their center snapped the ball over the head of (*) Peyton Manning in the first quarter. More recently, this team sent away Noah Fant as part of a trade to acquire a quarterback from Seattle. For 10 points, name this team for which Russell Wilson plays home games in Colorado.

ANSWER: Denver Broncos [or Denver Broncos]

20. The third of three attempts at this feat in 1924 led to the death of Andrew “Sandy” Irvine. Jon Krakauer survived a 1996 “disaster” that killed eight people attempting this feat, an event Krakauer wrote about in *Into Thin Air*. Nearly two decades after George Mallory tried, (*) Edmund Hillary and Tenzing Norgay became the first documented people to achieve this feat. The “Northern” route to achieve this feat became unfavorable after China took over Tibet. For 10 points, identify this achievement regarding the world's tallest mountain.

ANSWER: summitting Mount Everest [or descriptions of climbing to the top of Mount Everest; or reaching the top of Mount Everest; prompt on mountain climbing; prompt on mountaineering]

21. Sulfonylurea (**sul-FAN-nul-yuh-REE-uh**) compounds can increase the release of this hormone. When this hormone binds to its named receptor, it activates tyrosine kinase (**TAI-roh-seen KAI-nayz**). Thirty-one amino acids are cleaved from this protein before it is secreted, creating a byproduct called the C-peptide. This hormone induces (*) glycogen (**GLAI-kuh-jen**) synthesis and increases the absorption of glucose from the bloodstream. This hormone works with glucagon (**GLOO-kuh-gahn**) to maintain blood sugar levels. For 10 points, name this pancreatic peptide hormone which is lacking in type I (**one**) diabetes.

ANSWER: insulin

2022-2023 IQBT Regular Season Set #1
Round 7 – Bonuses

1. The classroom doodlings of the boy Onfim (**OHN-feem**) were excavated in this city, which was the site of a 1570 massacre ordered by Ivan (**ee-VAHN**) the Terrible. For 10 points each:

[10] Name this former Hanseatic (**HAN-zee-AH-tik**) city whose namesake northern republic, controlled by the elected *veche* (**vee-ETCH-eh**), was the last major competitor to Moscow in Russia.

ANSWER: **Novgorod** (**NAHV-guh-rod**) [or Veliky **Novgorod**; do not accept or prompt on “Nizhny Novgorod”]

[10] Novgorod was founded by the Varangian (**vaa-RAN-ghee-un**) prince Rurik, whose son Oleg founded this other Rus (**ROOS**) city. The original Rus state was named for this now-Ukrainian city.

ANSWER: **Kiev** [or **Kviv**]

[10] Alexander Nevsky, a 13th-century prince of Novgorod, defeated this crusading order of German speakers at the Battle on the Ice in 1242.

ANSWER: **Teutonic Knights** [or **Livonian** Order]

2. Pipes, bullseyes, and exclamation points are used to write these sounds. For 10 points each:

[10] The quick release of the tongue from a point of closure creates what kind of consonants, most prominently found in several southern African languages?

ANSWER: **clicks** [or **click** consonants]

[10] The only non-African language with systematic clicks is Damin, a ritualistic language used on this continent. Djambarrpuyngu (**jim-BAR-puh-ween-GOO**), spoken in the Northern Territory, is the most widespread remaining indigenous language on this continent.

ANSWER: **Australia**

[10] Both Xhosa (**KOH-suh**, or, if you know how to do it, an alveolar click followed by **OH-suh**) and this other Bantu language, the most common first language in South Africa, have three possible clicks.

ANSWER: **Zulu**

3. This man was put on trial for the murder of Idaho governor Frank Steunenberg. For 10 points each:

[10] Name this head of the Western Federation of Miners who founded the Industrial Workers of the World.

ANSWER: William Dudley “Big Bill” **Haywood**

[10] The Western Federation of Miners led a strike at this western state's Cripple Creek. The Ludlow and Sand Creek Massacres occurred in this state, where a U.S. mint was established to handle the output of western gold rushes.

ANSWER: **Colorado**

[10] The Western Federation of Miners also struck against mines in this state's Copper Country, located on its Upper Peninsula.

ANSWER: **Michigan**

4. An effect named for these structures was used to discover proton tunneling in enzymes. For 10 points each:

[10] Name these forms of an element that have the same number of protons but a different number of neutrons, giving them a different mass number.

ANSWER: **isotopes**

[10] This isotope contains one proton, one neutron, and one electron. It is one of two stable isotopes of hydrogen.

ANSWER: **deuterium (dew-TEER-ee-um)**

[10] Protein tunneling is among the processes studied using this effect, in which the rate of a reaction changes based on which isotope of an element is present. Jacob Bigeleisen (**BIG-ul-AI-zen**) and Maria Goeppert-Mayer (**ger-pert-MAI-er**) first explained this effect in 1947.

ANSWER: **kinetic** isotope effect

5. Madeleine Miller followed up *Song of Achilles* (**aak-IL-eez**) with a popular novel about this person. For 10 points each:

[10] Name this enchantress from Greek mythology who turned a hero's companions into animals on the island Aeaea (**ee-EE-uh**).

ANSWER: **Circe (SIR-see)**

[10] Circe traps this hero on her island for a year. An epic by Homer tells about this warrior-king's return to Ithaca.

ANSWER: **Odysseus**

[10] Hermes gives Odysseus this drug, known by an untranslated Greek name, to counter the magic of Circe.

ANSWER: **moly (MOH-lee)**

6. Two basic operations used to modify this structure are “push” and “pop.” For 10 points each:

[10] Name this “last in, first out” data structure. An “overflow” of these structures names a common error in Java.

ANSWER: **stack**

[10] Stack overflow can commonly occur with this type of computation. This operation involves a function calling itself.

ANSWER: **recursion** [or **recursive** function]

[10] Unlike heaps, stacks can be used to store local examples of these entities. Commonly used symbols for these entities include the letters x and y.

ANSWER: **variable**

7. An artist who painted in this style depicted Heracles nursing at Hera's breast, from which stars appear. For 10 points each:

[10] Name this style of *The Origin of the Milky Way*. Parmigianino's (**PAR-mij-uh-NEE-noh's**) *Madonna with the Long Neck* is in this exaggerated style which Michelangelo used for many of his later paintings.

ANSWER: **Mannerism** [prompt on Late Renaissance style]

[10] *The Origin of the Milky Way* is by this Venetian Mannerist, who depicted a diagonal table and 500 people in his final painting.

ANSWER: **Tintoretto (TINT-uh-RET-oh)** [or Jacopo **Comin**]

[10] Tintoretto used the diagonal table in a depiction of this scene. Leonardo's version of this scene shows Jesus and the disciples all on the same side of a table during a meal.

ANSWER: *The **Last Supper***

8. This rapper claimed that he “pull up in a saucer” on a feature verse from “Stick” by J.I.D. For 10 points each:

[10] Name this rapper of the song “Mo Bamba,” in which he claims to be “gettin' really rich.”

ANSWER: Sheek **Wes** [or Khadimou Rassoul Cheikh **Fall**]

[10] “Mo Bamba” is paired with this other song in memes about rap knowledge. This second single from the album *Astroworld* features beat switches between Travis Scott and Drake's verses.

ANSWER: “**Sicko Mode**”

[10] “Mo Bamba” is titled for a person in this profession. Gunna's song “Yao Ming” also refers to someone who had this job, whose practitioners Allen Iverson and Shaquille O'Neal attempted side careers as rappers.

ANSWER: professional **basketball** player [or **NBA** player; prompt on professional **athlete**]

9. A poem in this form says that the speaker will face the “murderous, cowardly pack / pressed to the wall, dying, but fighting back.” For 10 points each:

[10] Name this poetic form of “If We Must Die.” Countee Cullen's “Yet Do I Marvel,” which has this poetic form, uses fourteen lines of iambic pentameter (**ai-AM-bik pen-TAM-it-er**).

ANSWER: **sonnet** form

[10] This Harlem Renaissance poet employed sonnet form for poems such as “If We Must Die.” He also wrote the novels *Home to Harlem* and *Banana Bottom*.

ANSWER: Claude **McKay** [Festus Claudius **McKay**]

[10] This American poet gained early renown for his sonnets before using other forms in “Miniver Cheevy” and “Richard Cory.”

ANSWER: Edwin Arlington **Robinson** [E.A. **Robinson**]

10. The Blue and White tributaries of this river join at Khartoum (**kar-TOOM**). For 10 points each:

[10] Name this longest river in the world, which flows through much of Egypt.

ANSWER: **Nile** River

[10] During the rule of Gamal Abdel Nasser (**GAH-mul ahb-del NAA-sur**), this dam was built on the Nile River to end its yearly flooding, requiring the relocation of the Abu Simbel temple complex.

ANSWER: **Aswan** High Dam

[10] The Blue Nile originates at this lake in Ethiopia, which it exits through the picturesque Tis Abbai waterfall.

ANSWER: Lake **Tana**

11. In 2019, NASA announced that two CubeSats that provided communication between this planet and Earth stopped functioning. For 10 points each:

[10] Name this planet being explored by *InSight*.

ANSWER: **Mars**

[10] This company had planned to use its *Red Dragon* capsule to explore Mars, but instead shifted its focus to developing its Starship.

ANSWER: **SpaceX** [or **Space Exploration Technologies Corp.**]

[10] This China National Space Administration mission landed the *Zhurong* (**JOO-rong**) rover in 2021. This is the first mission in the Planetary Exploration of China program, which plans to visit Callisto and Jupiter in 2035.

ANSWER: **Tianwen-1** [or **TW-1**]

12. This journalist declined a position at the University of North Carolina after a refusal to grant her tenure. For 10 points each:

[10] Name this investigative journalist who won the Pulitzer Prize for Commentary for her *1619 Project*.

ANSWER: Nikole **Hannah-Jones**

[10] Hannah-Jones now holds the Knight Chair in Race and Journalism at this HBCU in Washington D.C. Kamala Harris earned her undergraduate degree here, and Thurgood Marshall graduated from its law school.

ANSWER: **Howard** University

[10] *The 1619 Project* was developed by Hannah-Jones and journalists at this large newspaper, whose slogan is “All the News That's Fit to Print.”

ANSWER: *The New York Times* [or **NYT**; prompt on the *Times*]

13. The Squirrel Nut Zippers participated in a 1990s revival of this style. For 10 points each:

[10] Name this jazz style “electrified” in a genre pioneered by Caravan Palace, in which eighth notes are not played straight. It evolved out of the “big band” era.

ANSWER: **swing** [or **swing** revival; or neo-**swing**; or retro **swing**; or electro **swing**; or **swing** house]

[10] “New Jack Swing” was popularized in the *Ghostbusters II* theme “On Our Own” by a singer with this surname, shared with the funk pioneer who recorded “I Got You” and “Papa's Got a Brand New Bag.”

ANSWER: **Brown** [or Bobby **Brown**; or Robert Barisford **Brown**; or James **Brown**]

[10] “Minor Swing” and “Nuages” (**NOO-aaj**) were written by this *jazz manouche* (**man-oosh**) pioneer and guitarist, who worked mostly in France.

ANSWER: Django **Reinhardt** [prompt on **Django**]

14. The Great Bible composed under this king was the first authorized translation of the Bible into English. For 10 points each:

[10] Name this monarch who broke away from the Catholic Church to become the first head of the Church of England.

ANSWER: **Henry VIII (the eighth)** [prompt on **Henry**]

[10] Henry VIII broke away from the Catholic Church to marry this woman, the second of his six wives, who became the mother of Elizabeth I.

ANSWER: Anne **Boleyn** [prompt on **Anne**; do not accept or prompt on “Anne of Cleves”]

[10] Henry VIII's anti-Catholic policies, particularly his dissolution of the monasteries, led to this popular 1536 revolt under the one-eyed Robert Aske in Yorkshire (**YORK-shur**).

ANSWER: the **Pilgrimage of Grace**

15. One of the assumptions of the Hardy-Weinberg principle is that this quantity is infinite. For 10 points each:

[10] Name this quantity, which is the number of individual organisms in a given area.

ANSWER: **population** size

[10] This type of physical sampling method is used to estimate a population size without having to count every individual.

ANSWER: **capture-recapture** [or **mark-recapture**; or **capture-mark-recapture**]

[10] The maximum population size for an environment given the resources available is defined by this quantity, often symbolized K.

ANSWER: **carrying capacity**

16. In a novel by this author, Helen enjoys Beethoven's Fifth so much that she accidentally takes Leonard Bast's umbrella. For 10 points each:

[10] Name this author of a "Question of England" novel concerning the Bast, Wilcox, and Schlegel families, titled *Howards End*. He also wrote *A Room with a View*.

ANSWER: E. M. **Forster** [or Edward Morgan **Forster**]

[10] *Howards End* is the basis of this author's novel *On Beauty*. This author's novels about immigrants to Britain include *White Teeth*.

ANSWER: Zadie **Smith**

[10] In *A Room with a View*, Freddy, George, Lucy, and Cecil play this sport. This sport is the subject of David Foster Wallace's essay "Roger Federer as Religious Experience."

ANSWER: lawn **tennis**

17. This man was accused of metaphorically urinating on a rug after giving a speech in Philadelphia in 1965 where he questioned U.S. foreign policy. For 10 points each:

[10] Name this Canadian prime minister, who earlier won a Nobel Peace Prize for negotiating an end to the Suez Crisis.

ANSWER: Lester **Pearson** [Lester Bowles **Pearson**; or Mike **Pearson**]

[10] Pearson disagreed with the U.S. strategy in this war, which Canada officially did not participate in. Up to 40,000 people avoiding the U.S. military draft moved to Canada during this war.

ANSWER: **Vietnam** War

[10] In 1968, the Pearson government implemented this program throughout Canada, modeled on Tommy Douglas's system in Saskatchewan (**sass-KAA-chuh-wahn**).

ANSWER: Canadian **Medicare** [or the Canadian public **health care** system]

18. This method of transmission is shared by many national epics. For 10 points each:

[10] Name this method of passing on literary compositions, whose examples include the *Epic of Sundiata* being shared by griots (**gree-YOH**).

ANSWER: **oral** literature [or **spoken** word literature; or **sung** literature; prompt on **memorized** literature; prompt on **memorization**; accept, but do not otherwise reveal, **bard** literature]

[10] Griots are analogous to these Celtic (**KELT-ik**) storytellers. Shakespeare is nicknamed for being one of these from Avon.

ANSWER: **bards**

[10] Religious scholars note that the repetitive formulas in this text confirms that it was transmitted through spoken word. The various systems of Qira'at (**KEE-rah-aht**) are used to recite this text.

ANSWER: **Quran**

19. This piece opens with four cellos and two violas playing the "Troparion (**troh-PAIR-ee-un**) of the Holy Cross." For 10 points each:

[10] Name this piece that features a "duel" between "La Marseillaise" (**MAR-say-yez**) and "God Save the Tsar."

ANSWER: **1812 Overture** [or *The Year 1812, Solemn Overture*]

[10] Cannon fire appears in the finale of the *1812 Overture* by this composer of *The Nutcracker*.

ANSWER: Peter Ilyich **Tchaikovsky** (**chai-KAHV-skee**) [or Pyotr Ilyich **Tchaikovsky**]

[10] The *1812 Overture* is often paired with this patriotic tone poem, in which Tchaikovsky quoted "God Save the Tsar" alongside two Serbian folk songs. It is named for its depiction of battlefield events, and is not actually in the rhythm of a military advance.

ANSWER: **Marche slave** (**march slahv**) [or **Slavic March**; or **Slavonic March**; or **Serbo-Russian March**]

20. For 10 points each, answer the following about a stationary block on an inclined plane.

[10] The block does not sink through the plane thanks to this force perpendicular to a surface.

ANSWER: **normal** force

[10] The block will start moving when the static coefficient of friction is exceeded by this combination of a trigonometric function and a physical measurement.

ANSWER: **tangent** of the **angle** of the **incline**

[10] The block is modified so that it keeps the same mass but now has a four times larger surface area. The magnitude of the frictional force on the new block will have this relationship to the force in the original system.

ANSWER: **unchanged** [or the **same**; or related by a factor of **one**]

21. This long poem was intended to precede a philosophical poem titled *The Recluse*, leading to its title.

For 10 points each:

[10] Name this long autobiographical poem subtitled *Growth of a Poet's Mind*. In the first book of this poem, the author states "Fair seed-time had my soul, and I grew up."

ANSWER: *The **Prelude***

[10] The author of *The Prelude* also wrote a manifesto-like preface for this collection. This collection includes Samuel Taylor Coleridge's *The Rime of the Ancient Mariner*.

ANSWER: **Lyrical Ballads** [or **Lyrical Ballads**, with a Few Other Poems]

[10] This author of *The Prelude* wrote *Lyrical Ballads* along with Coleridge. This author's poem "Tintern Abbey" describes a trip with his sister.

ANSWER: William **Wordsworth**