

**ICCS 2014**  
**Packet 4**

**TOSSUPS**

1. Early American imports of this commodity were produced from the guayule plant. The production of this commodity was overseen by an army that severed the hands of people who failed to meet quotas; that army, which was employed in the Congo Free State by Leopold II of Belgium, was called the Force Publique. It is obtained from *Hevea brasiliensis*, and it was used by pre-Colombian civilizations to produce a spheroid for a ritual ball game. For 10 points, name this commodity whose global demand soared after Charles Goodyear invented vulcanization.

ANSWER: **rubber** [prompt on “latex”]

2. One song by this musician tells the addressee to “Look what you put me through / Now that I am” the title person. This singer of “Blue Gangster” also sang “And I’d die if it’s never mine...And the nights gonna be just fine” on his album *Xscape*. Another song by this artist of “Love Never Felt So Good” begins “She was more like a beauty queen from a movie scene” and advises the listener to “Be careful of what you do / And don’t go around breaking young girls’ hearts”. For 10 points, name this “King of Pop” who included “Billie Jean” on his album *Thriller*.

ANSWER: Michael **Jackson**

3. In one short story by this author, the main character ignores his wife’s pleas that he not go to a fair and ends up spending years in a prison for a murder he did not commit. Konstantin courts Stepan’s sister-in-law Kitty in one of his novels. Andrei Bolkonsky fights in the Battles of Austerlitz and Borodino in a novel by this author in which Natasha Rostova marries Pierre Bezukhov. One of this author’s characters commits suicide by throwing herself onto railway tracks. For 10 points, name this author of *Anna Karenina* and *War and Peace*.

ANSWER: Lev (Nikolayevich) **Tolstoy** [or Leo **Tolstoy**]

4. This man showed Mary with a red sash around her waist, standing atop an Oriental rug in front of a scalloped niche as a man based on donor Jakob Meyer kneels, in his *Darmstadt Madonna*. Unlike Andrea Mantenga, this man used a horizontal viewpoint in his *The Body of the Dead Christ in the Tomb*. He also depicted Jean Dinteville and George de la Selve standing on either side of a globe, a lute, and a diagonally distorted skull. For 10 points, name this German-born court painter of Henry VIII, who depicted two French officials in *The Ambassadors*.

ANSWER: Hans **Holbein** the Younger

5. If these figures are cyclic, their diagonals are all concurrent if the products of alternating sides are equal. A plane passing through midpoints of half the edges of a cube has a cross-section of one of these polygons. When regular, these polygons have the greatest number of sides of any that can tessellate the plane. When they have side-length one, the regular variety of these figures has area  $3\sqrt{3}$  all over 2. The sum of their interior angles is 720, so, when regular, each angle is 120 degrees. For 10 points, identify these polygons which have six sides.

ANSWER: **hexagons**

6. Like the Gospel of Luke, this Biblical book begins with a dedication to Theophilus. Seven Greek deacons are appointed in this book, including a man whose stoning is ordered by the Sanhedrin. In this book, a mighty wind descends upon 120 followers fifty days after the Resurrection. When a man on the road to Damascus is blinded by holy light in this book, he decides to convert and change his name from Saul to Paul. For 10 points, name this book which describes the deeds of Jesus’ followers.

ANSWER: **Acts** of the Apostles

7. In 1946, this person became the first chair of the United Nations Commission on Human Rights. She resigned from the Daughters of the American Revolution in protest after black singer Marian Anderson was denied the use of Constitution Hall, and with the help of her husband's Secretary of Interior, organized a new concert at the Lincoln Memorial. This woman made many public appearances on behalf of her husband, a Governor of New York, after he became paralyzed due to polio. For 10 points, name this First Lady, the wife of New Deal architect Franklin.

ANSWER: (Anna) Eleanor Roosevelt [prompt on "Roosevelt"]

8. In one work by this author, a married couple feuds over whether or not the wife has replaced the soap and the husband dies falling off a ladder while trying to retrieve a parrot. In another work by this man, the loss of Angela's virginity prompts the Vicario brothers to find and kill Santiago Nasar. He wrote about Fermina Daza's relationships with Juvenal Urbino and Florentino Ariza during the title sickness. For 10 points, name this Colombian magical realist, who wrote *Love in the Time of Cholera* and described Macondo in *One Hundred Years of Solitude*.

ANSWER: Gabriel Garcia Marquez [Do not accept or prompt on "Marquez"]

9. One part of this bone undergoes necrosis in Legg-Calves-Perthes disease, and one type of fracture of this bone is sorted by the Winquist and Hansen classification. The pectinus muscle attaches to the pectineal line on this bone. This bone contains protrusions called the greater and lesser trochanter. This bone's namesake artery is an extension of the external iliac artery that moves behind the inguinal ligament. The head of this bone fits into the acetabulum, forming a ball-and-socket joint with the pelvis. For 10 points, name this largest bone in the body that is located in the upper leg.

ANSWER: femur

10. Carl Maria von Weber's *Invitation to the Dance* was the first concert piece of this type. The third movement of Tchaikovsky's fifth symphony is a piece of this type, and the second movement of his sixth symphony is often described as a "limping" one of these. Chopin was allegedly inspired to write one of these pieces after seeing a dog chase its own tail. That piece was later nicknamed "Minute." *Voices of Spring* and *The Blue Danube* are pieces of this type, both written by Johann Strauss Jr., who was called the "King" of them. For 10 points, name this dance in three-four time.

ANSWER: waltzes

11. David Wechsler names two of the most common tests used to obtain this measurement, which may cause stereotype threat in minorities. The Flynn effect, a noted rise in the average of this measurement over time, may be attributed to nutrition, disease prevention or heterosis. Statistical distributions of this measurement nearly always have a standard deviation of 15 points, meaning that most of the population falls between 70 and 130 on this scale. For 10 points, name this value that purports to rate cognitive ability and was studied in the early 1900s by Binet and Terman.

ANSWER: intelligence quotient [or IQ; prompt on intelligence]

12. This poet described a "grief without a pang, void, dark, and drear" and wrote that "My genial spirits fall" in "Dejection: An Ode." This man also wrote "Frost at Midnight," as well as a poem whose title character "stoppeth one of three." Another of his title characters is an emperor who decrees a "stately pleasure dome" in Xanadu. He wrote the lines "Water, water everywhere, nor any drop to drink" in a poem that describes the shooting of an albatross. For 10 points, name this poet of "Kubla Khan" and "The Rime of the Ancient Mariner."

ANSWER: Samuel Taylor Coleridge

13. Early monarchs in this country had nicknames like "Spindleshanks," "Tanglefoot," and "Elbow-High," the last of whom was a member of the Piast dynasty. An organization in this country negotiated with the government in the Round Table Talks. This country was joined with an eastern neighbor in the

Union of Lublin. This country was led by a shipyard electrician who founded the Solidarity trade union. For 10 points, name this home country of Lech Walesa, which was once united with Lithuania.

ANSWER: Republic of **Poland** [or **Polska**]

14. Two kinds of this force cause inconsistencies in rigid-body dynamics in the Painlevé paradox. The Tomlinson model describes this force at the atomic level, and this force causes buildup of electrostatic charge in the triboelectric effect. The independence of this force from area of contact is described by Amonton's second law, and for a block on an inclined plane, the static coefficient of this force is equal to the tangent of the angle. For 10 points, name this force perpendicular to the normal force, which resists the motion of objects sliding against each other.

ANSWER: **friction** [accept word forms]

15. A work by this artist in the Siena Cathedral shows the presentation of the severed head of John the Baptist to Salome in *The Feast of Herod*. Another work by this artist, which is in the Piazza del Santo in Padua, is an equestrian sculpture depicting Erasmo da Narni, who was also known as the "Honeyed Cat" or "Gattamelata." Another sculpture by this artist shows its title figure leaning on a sword while standing nude over the head of Goliath. For 10 points, name this sculptor who created a bronze statue of *David*.

ANSWER: **Donatello** [or Donato di Niccolò di Betto **Bardi**]

16. In March 2005, Didier Delsalle became the first person to land a helicopter atop this location. This location features geologic formations like the Yellow Band and the Geneva Spur. This mountain is separated from Lhotse by the South Col, which can be accessed by traversing the Valley of Silence and the Khumbu Icefall. The discovery of George Mallory's body on this mountain did not reveal whether he had beaten Tenzing Norgay and Edmund Hillary to its summit. For 10 points, the Himalayas are home to what highest mountain on Earth?

ANSWER: Mount **Everest** [or **Sagarmāthā** or **Chomolungma**]

17. The protagonist of this novel refuses to join in on baiting a priest by saying that he saw him with girls. Later, the protagonist has his alcohol taken away by Miss Van Campen. The billiards-playing Count Greffi and the surgeon Rinaldi also appear in this novel. The protagonist of this novel deserts the army after the Battle of Caporetto and goes to Switzerland. For 10 points, name this novel where the nurse Catherine Barkley dies in childbirth with Frederic Henry's child, a work of Ernest Hemingway.

ANSWER: *A **Farewell to Arms***

18. This philosopher sought to answer the question "What, at this point, can we know about a man?" in his study of Gustave Flaubert's *The Family Idiot*. This philosopher was the first to describe fields founded by struggle that fail to respond to their founding groups' needs as "practico-inert." This author of *Critique of Dialectical Reason* described social categorization of a person's formal identity as "bad faith" in a book that distinguishes being-in-itself from being-for-itself. For 10 points, name this French existentialist author of *Being and Nothingness*.

ANSWER: Jean-Paul **Sartre**

19. An equation named for this scientist gives the mass accumulated at an electrode during electrolysis, and is known as his namesake electrolysis law. This scientist names an equation which sets the cross product of the electric field equal to the negative of the time derivative of the magnetic field. His discovery that charge resides on the outside of a conductor led him to develop a wire mesh for screening static electric fields known as his namesake "cage." For 10 points, identify this British scientist who did early important work in electromagnetism that resulted in his namesake induction law.

ANSWER: Michael **Faraday**

20. Along with his American counterpart, this man signed the Intermediate-Range Nuclear Forces Treaty. During this leader's time in office, the Law on Cooperatives was passed to allow for enterprises to be privately owned. The so-called Sinatra Doctrine was implemented by this man to avoid interfering with the conflicts of Warsaw Pact nations. The GKChP attempted to remove this man from power during the failed August Coup of 1991. This man pioneered reforms under openness and restructuring, or glasnost and perestroika. For 10 points, name this final General Secretary of the USSR before its 1991 dissolution.  
ANSWER: Mikhail Sergeyevich **Gorbachev**

21. This deity allows Cleobis and Biton to die in their sleep, in response to their mother Cydippe's prayer for "the best gift a god can give a mortal." Sidero is murdered by Pelias atop an altar to this deity, who kills all of Lamia's children and delays Eileithyia in order to prevent Leto from giving birth. Her Homeric epithet is "boôpis," or "cow-eyed." She gives Echo her namesake curse, employs Argus Panoptes to guard Io, and makes her hated stepson complete twelve labors for Eurystheus. For 10 points, name this Greek goddess, the mother of Ares and wife of Zeus.  
ANSWER: **Hera** [or **Here**; accept **Juno** until "Greek" is read]

22. In one novel set in this city, a rich character donates ping-pong tables to a boys' club. The protagonist of another novel set in this city is fired after a workplace accident and has to take a job at a fertilizer plant. In a different novel set in this city, the protagonist smothers Mary Dalton to death; that novel is Richard Wright's *Native Son*. One book set in this city opens with the protagonist's Lithuanian-style wedding to Ona. For 10 points, name this American city in whose slaughterhouses Jurgis Rudkus works in Upton Sinclair's *The Jungle*.  
ANSWER: **Chicago**, Illinois

23. The "Black" variety of these things was possibly created by the British government as part of a smear campaign against Roger Casement. One of these entities was found by Miep Gies and later given to Otto. Another of these objects describes the 1666 plague and Great Fire of London, and was created by Samuel Pepys ("PEEPS"). Perhaps the most famous example of this object was created before its author was taken to Bergen-Belsen while she hid in a Dutch attic. For 10 points, identify this type of record book, one of which was kept by Anne Frank.  
ANSWER: **diary** [or **journals**]

## BONUSES

1. Answer the following about American Jewish authors, for 10 points each.

[10] This author, who was born in Poland and immigrated to the U.S. in 1935, wrote about Yasha Mazur in *The Magician of Lublin*. He also wrote the short story “Gimpel the Fool.”

ANSWER: Isaac Bashevis Singer

[10] Singer wrote almost exclusively in this language. It’s not Hebrew, but this language also appears in the title of a Michael Chabon novel about a “policemen’s union” in a Jewish state in Alaska and is the historical language of Ashkenazi Jews.

ANSWER: Yiddish

[10] This Jewish-American author wrote about a middle-aged guy who travels to Africa in *Henderson the Rain King*, and about a man who writes unsent letters in *Herzog*.

ANSWER: Saul Bellow

2. In the Eighty Years’ War, the Dutch fought for independence from this country. For 10 points each:

[10] Name this country, whose king Philip II sent an armada against England.

ANSWER: Kingdom of Spain [or Reino de España]

[10] Philip II ordered this general to establish the Council of Troubles to punish Dutch revolutionaries. This duke fought against William of Orange in the Eighty Years’ War.

ANSWER: Fernando Alvarez de Toledo, 3<sup>rd</sup> Duke of Alba [accept either underlined name]

[10] This son of William the Silent was a stadtholder and an important strategist during the Dutch revolt. This protégé of Oldenbarnevelt successfully besieged Breda.

ANSWER: Maurice of Nassau [or Maurits van Oranje]

3. One of these creatures is said to be the companion of Chang’e, spending its time pounding out the elixir of life with a mortar and pestle for her. For 10 points each:

[10] Identify these creatures that, in many Asian and Mesoamerican mythologies, are said to live on the moon, due to a pattern of dark patches on the moon resembling them.

ANSWER: rabbits [or hares, bunny/ies, etc.]

[10] According to myths of these people, the shape on the moon comes from either a rabbit being thrown in the face of the god Tecciztecatl, or from Quetzalcoatl elevating one to the heavens.

ANSWER: the Aztecs [or Azteca]

[10] A non-lunar hare is saved from a flaying by Okuninushi, the son-in-law of this Shinto storm god who often feuds with his sister Amaterasu.

ANSWER: Susano’o [or Susanowo; or His-Swift-Impetuous-Male-Augustness]

4. Under this classification scheme, scratching is defined as the creation of visible, non-elastic deformations. For 10 points each:

[10] Name this scale of mineral hardness, on which talc ranks as 1 and diamond ranks as 10, and intermediate minerals are ranked by their ability to scratch other, softer minerals.

ANSWER: Mohs scale of mineral hardness

[10] This material, a 7 on the Mohs scale, also occupies the lowest position in both Bowen’s reaction series and the Goldich dissolution series, meaning it is relatively stable at the surface.

ANSWER: quartz

[10] For quartz, when this event happens, the resulting texture of the surface is conchoidal because this event in quartz does not follow any natural planes of separation.

ANSWER: fracture [prompt on related terms break, cleavage]

5. A riot broke out at the premiere of this ballet, which opens with a high-pitched bassoon solo. For 10 points each:

[10] Name this ballet depicting “Pictures of Pagan Russia,” which ends with the Chosen One performing the “Sacrificial Dance.”

ANSWER: The **Rite of Spring**

[10] *The Rite of Spring* is a ballet by this Russian composer, who also composed *The Firebird*. His non-ballet works include the *Symphony of Psalms* and the *Dumbarton Oaks* concerto.

ANSWER: Igor **Stravinsky**

[10] This other ballet by Stravinsky is based on puppetry, and in it the title puppet comes to life and attempts to woo the Ballerina.

ANSWER: **Petrushka**

6. This person hates the word “peace” as he hates hell, and he catches Romeo crashing a ball by recognizing his Montague accent. For 10 points each:

[10] Name this bloodthirsty Capulet who is “more than the prince of cats.” Romeo is banished from Verona after killing this man.

ANSWER: **Tybalt**

[10] This character says that Romeo has a “serpent heart” when she hears that he killed Tybalt, before lamenting Romeo’s banishment. In another scene, she asks, “What’s in a name?”

ANSWER: **Juliet**

[10] The news of Tybalt’s death is announced by this comic character, who previously spent a whole scene failing to announce news because she was too tired and sore.

ANSWER: Juliet’s **Nurse** [prompt on “Angelica”]

7. The “transactions” form of this quantity can be calculated using the formula  $PT$  over  $M$ . For 10 points each:

[10] Identify this term that refers to how fast money passes from one person to another.

ANSWER: **velocity** of money

[10] Velocity of money can be calculated by dividing the nominal GDP by this other quantity.  $M_1$ ,  $M_2$ , and  $M_3$  are all representations of this quantity.

ANSWER: **money supply** [or **supply** of **money**; prompt on “supply”]

[10] In general, supply curves are often plotted with curves of this type. These curves are typically downwards sloping since desire for goods decreases as price increases.

ANSWER: **demand**

8. Chinese paintings often feature these animals alongside flowers. For 10 points each:

[10] Name these creatures that were also featured in Paul Klee’s *Twittering Machine*.

ANSWER: **birds** or **avians** [accept other equivalents, including specific types of birds]

[10] Accurate paintings of birds are the most famous work of this artist, whose paintings were featured in the book *The Birds of America*.

ANSWER: John James **Audubon**

[10] A dove in the interior, lower central panel of this triptych by Jan van Eyck represents the Holy Spirit.

ANSWER: **Ghent Altarpiece** [or **Adoration of the Mystic Lamb**; or **The Lamb of God**]

9. The second of these periods in American history created the “burned-over district” in New York. For 10 points each:

[10] Name this term for periods of intense religious revival in American history. The first of these periods featured the successful ministries of men like Jonathan Edwards.

ANSWER: **Great Awakening** [or **First Great Awakening**; or **Second Great Awakening**]

[10] The Great Awakening was described in the writings of this American, who also published the successful *Poor Richard’s Almanac* journal.

ANSWER: Benjamin **Franklin**

[10] This famous British preacher was noted for his open-air preaching and revival meetings in the United States. Franklin wrote descriptions of this man's revivals in Philadelphia.

ANSWER: George **Whitefield**

10. In phosphorus, these entities include red, black, and highly flammable white forms. For 10 points each:

[10] Give this term for different structural forms that an element can take. Those of oxygen include diatomic oxygen and ozone.

ANSWER: **allotropes** [or **allotropy**]

[10] This soft allotrope of carbon consists of layered sheets of carbon arranged in a honeycomb lattice. It is used to make pencil lead.

ANSWER: **graphite**

[10] Allotropy is related to this term, the general ability for a solid material to assume multiple alternate forms or crystal structures.

ANSWER: **polymorphism**

11. This philosopher went mad two years after he derided the Christian "slave morality" in *On the Genealogy of Morals*. For 10 points each:

[10] Name this German, who wrote that "God is dead" in *The Gay Science*. He also wrote that a post-human *ubermensch* would come soon in *Thus Spake Zarathustra*.

ANSWER: Friedrich Wilhelm **Nietzsche**

[10] This book, Nietzsche's first, describes how the dreamy, bright Apollonian impulse blended with the frenzied Dionysian to give ancient Greek art and drama their power.

ANSWER: *The **Birth of Tragedy** Out of the Spirit of Music* [or *Die **Geburt der Tragödie** aus dem Geiste der Musik*]

[10] Nietzsche wrote on this depressive German thinker "as Educator." This man argued that people should turn towards art, and away from the thing-in-itself, in *The World as Will and Representation*.

ANSWER: Arthur **Schopenhauer**

12. Name these things about Presidents of France, for 10 points each.

[10] Prior to serving as President of France from 1995 to 2007 this man served as Mayor of Paris from 1977 to 1995. He formed the Union for a Popular Movement Party in 2002 and was found guilty of corruption after leaving office.

ANSWER: Jacques René **Chirac**

[10] During the presidency of François Mitterand, French agents bombed the Greenpeace ship *Rainbow Warrior* in this country's most populous city of Auckland, leading to the resignation of French Defense Minister Charles Hernu.

ANSWER: **New Zealand**

[10] This man succeeded de Gaulle as president after defeating Alain Pohler in the 1969 election and died in office in 1974. He commissioned a Richard Rogers- and Renzo Piano-designed art museum in Paris which now bears his name.

ANSWER: Georges Jean Raymond **Pompidou**

13. This novel begins with a description of the Bokanovsky Process. For 10 points:

[10] Name this Aldous Huxley novel set in a dystopian future, into which John the Savage fails to acclimate.

ANSWER: **Brave New World**

[10] This short, misfit alpha finds John in New Mexico, and is exiled along with his friend Helmholtz at the end of the book. He is named after a famous political thinker.

ANSWER: **Bernard Marx** [accept either underlined part]

[10] This World Controller, referred to as “His Fordship,” has a lengthy conversation with Bernard and Helmholtz before sentencing them to exile, in which he defends the society’s ideals.

ANSWER: **Mustapha Mond** [accept either underlined part]

14. Distinctive frogs called coquí (ko-KEE) reside in El Yunque (yoon-KAY) National Forest, located here. For 10 points each:

[10] Name this Caribbean island, whose residents refer to themselves as *boricuas*. The Mameyes landslide devastated the city of Ponce on this island, whose capital is San Juan.

ANSWER: **Puerto Rico**

[10] This island contains the most speakers of the creole language Papiamentu. This westernmost of the Netherlands Antilles lies outside the hurricane belt and has its capital at Oranjestad.

ANSWER: **Aruba**

[10] The provincial capital of Charlotte Amalie lies in this member of the U.S. Virgin Islands.

ANSWER: **St. Thomas**

15. These objects lose energy over time in the form of Hawking radiation. For 10 points each:

[10] Name these singularities from which nothing can escape.

ANSWER: **black holes**

[10] According to the no-hair theorem, a black hole can be completely described by its mass, angular momentum, and this third quantity.

ANSWER: electric **charge**

[10] A black hole with no charge or angular momentum is named for this scientist, who also names the distance to the event horizon.

ANSWER: Karl **Schwarzschild**

16. Movements of this composition include “The Hut on Fowl’s Legs,” as well as several interludes called “Promenades.” For 10 points each:

[10] Name this piece, which musically depicts “The Old Castle,” “The Great Gate of Kiev,” and other artworks of the composer’s friend Viktor Hartmann.

ANSWER: **Pictures at an Exhibition**

[10] *Pictures at an Exhibition* is by this Russian composer, who also composed *Night on Bald Mountain*.

ANSWER: Modest **Mussorgsky**

[10] *Pictures at an Exhibition* has been orchestrated by many composers, but this Frenchman’s version is the most widely performed. His own orchestral pieces include *Rapsodie Espagnole*.

ANSWER: Maurice **Ravel**

17. Answer the following about pacifist trends in various religious traditions, for 10 points each.

[10] Mahavira founded this monastic Indian faith, whose strict vow of *ahimsa* forbids doing harm to any living being. As a result, most of its adherents are vegetarians.

ANSWER: **Jainism** [or **Jain** dharma]

[10] Members of this sect, founded by Charles Taze Russell, refuse to be drafted because they only fight for “God’s kingdom.” Its services occur in Kingdom Halls, and it publishes *The Watchtower*.

ANSWER: **Jehovah’s Witnesses**

[10] This heretical, dualistic sect of southern France preached pacifism and strict dietary codes. They were massacred at forts such as Montsegur as part of a 13th-century crusade.

ANSWER: **Cathars** [or **Albigensians**]

18. Transport into this organelle is controlled by the Ran-GTP cycle. For 10 points each:

[10] Name this enveloped organelle found in most eukaryotic cells, but no prokaryotic cells. It stores DNA.

ANSWER: **nucleus**



[10] Within the nucleus, DNA is wrapped around histones to form this long, stringy substance, which condenses into chromosomes during mitosis. This substance has a darker-staining “hetero” variety and a lighter “eu” variety.

ANSWER: **chromatin**

[10] This complex of over 100 proteins transverse the nuclear envelope and act as gates into the nucleus. Many proteins in this structure have phenylalanine-glycine rich repeats.

ANSWER: nuclear **pore** complex

19. The city of Lothal, which had the world’s earliest dock, was a part of this civilization For 10 points each:

[10] Identify this civilization, whose settlements of Mohenjo-daro and Harappa developed during the Bronze Age. This civilization is named after a river that empties into the Arabian Sea.

ANSWER: **Indus Valley** Civilization

[10] The Indus Valley civilization was centered in this region, which names a state in both India and Pakistan. It is named for the five rivers that flow through it.

ANSWER: **Punjab**

[10] The “Citadel Mound” of Mohenjodaro housed one of these public structures. Another one of these structures was constructed by Carcalla in Rome during the 3rd Century AD.

ANSWER: public **baths**

20. One poem in this form begins with the line “When I consider how my light is spent,” is titled “On His Blindness,” and was written by John Milton. For 10 points:

[10] Name this poetic form, whose Shakespearean variant consists of 14 iambic-pentameter lines. One of these poems by Shakespeare begins “Shall I compare thee to a summer’s day?”

ANSWER: **sonnet** [accept Shakespearean **sonnet** or English **sonnet**; do not accept other forms like “Petrarchan sonnets”]

[10] Another form of sonnets is named for this Italian author. Many of this author’s sonnets are collected in *Il Canzoniere*, which is sometimes called his “song book.”

ANSWER: **Petrarch** [or Francesco **Petrarca**; accept **Petrarchan** sonnet]

[10] Many of Petrarch’s sonnets express his love for a woman of this name, whom he allegedly met while attending an Easter Mass in Avignon.

ANSWER: **Laura**

21. This state is the largest to have only one seat in the House of Representatives; that position is currently held by Republican Steve Daines. For 10 points each:

[10] Name this western state that usually votes Republican in Presidential elections, but is currently led by Democratic Governor Steve Bullock from Helena.

ANSWER: **Montana**

[10] Bullock appointed this former lieutenant governor to fill Max Baucus’s Senate seat in 2014. He recently dropped a re-election bid when he was found to have plagiarized his master’s thesis.

ANSWER: John **Walsh**

[10] Bullock’s predecessor as Governor was this Democrat, who may be considering a run for President in 2016.

ANSWER: Brian **Schweitzer**

22. This phenomenon vanishes above the Curie temperature when domains lose their alignment and become disordered. For 10 points each:

[10] Identify this phenomenon, in which domain alignment in the same direction results in a net magnetic moment. It is often seen in metals like nickel and cobalt.

ANSWER: **ferromagnetism**

[10] This simple model of ferromagnetism models domains as points on a lattice, with the Hamiltonian consisting of nearest-neighbors that are either aligned or anti-aligned. A formal solution to the two dimensional version of this model was developed by Lars Onsager.

ANSWER: **Ising** model

[10] The Curie-Weiss law from which the Curie temperature is obtained is actually an expression for this quantity, which becomes infinite when the Curie temperature is reached. It represents the magnitude of the magnetization in response to an applied field.

ANSWER: **magnetic susceptibility**

23. In one of this playwright's works, the ghost of the protagonist's first wife, Elvira, causes a car accident that kills his second wife, Ruth. For ten points each:

[10] Name this dramatist of a play in which Madame Arcati frees Charles Condomine of the spirits of his former wives, *Blithe Spirit*.

ANSWER: Sir Noël Peirce **Coward**

[10] *Blithe Spirit* gets its name from "To A Skylark," a poem by this man who also wrote "Ozymandias."

ANSWER: Percy Bysshe **Shelley**

[10] "Ozymandias" is another name for this Egyptian pharaoh who commissioned the Abu Simbel temples and won the Battle of Kadesh against the Hittites.

ANSWER: **Ramses II** [or **Ramses the Great**; prompt on "Ramses"]

24. The head of this organization is currently Elizabeth II. For 10 points each:

[10] Name this organization which generally consists of former members of the British Empire.

ANSWER: **Commonwealth** of Nations [or British **Commonwealth**]

[10] In some Commonwealth countries, the monarch is represented by this position's holder. In Australia, the holder of this position has the power to dismiss the PM and dissolve government.

ANSWER: **Governor-General** [do not accept or prompt on partial answers]

[10] After 1858, the British Raj was created and the Governor-General of India received this additional title, to signify he was there in the monarch's place.

ANSWER: **Viceroy**