**PRISON BOWL VIII**

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**Round 11**

**Tossups**

1. In this novel, a group of eunuchs named the Ten Attendants arrange an assassination plot. One character in this novel decides not to pursue his enemy through the enormous Stone Sentinel Maze, and another character tricks his enemy by offering him the marriage of his sister, Lady Sun. This novel begins with the main characters pledging their fealty in the Oath of the Peach Garden, and it is considered one of the Four Great Classics of Chinese Literature. For 10 points, name this historical novel by Luo Guanzhong about the conflict between Wei, Shu, and Wu at the end of the Han dynasty.

ANSWER: The **Romance of the Three Kingdoms** <CC>

2. This god once lunged at an eagle with a branch, only to be swept into the sky by that eagle. This god bet the dwarves Brokkr and Sindri that they were less skilled than the Sons of Ivaldi. Despite sabotaging that contest by stinging Brokkr’s eyelid, this god lost that bet, so he had his mouth sewn shut. Thiazi threatened to kill this god unless he kidnapped Idun, and when snake venom drips on this god's face, he writhes in pain and causes earthquakes. Along with Hödr, this god was responsible for Balder's death. The giant Fárbauti was this god's father, and this god spawned the offspring Hel, Jörmungand, and Fenrir. For 10 points, name this Norse trickster god.

ANSWER: **Loki** <SEA/AG>

3. Akka and Jericho were sites for production of this good under the Umayyad Caliphate. Based on techniques adapted from Madeira and the Canary Islands, Portuguese *Donatarios* built mills to refine this crop near Pernambuco and São Vicente. Martinique was a French colony primarily dedicated to growing this good, while the first British island to grow it was Barbados. In 1875, the British finally repealed their tariffs on this good, while earlier Navigation Acts and acts named for Molasses and this substance forced American colonists to buy this good from the West Indies alone. For 10 points, name this sweet good that was produced in large amounts in colonial Haiti.

ANSWER: **sugar** [prompt on **sugar**cane, accept cane **sugar]**

4. Nevada State Senator Kelvin Atkinson responded positively to a law about this action in October 2014 with a tweet about Sherwood Howard. Three lawsuits concerning this action were consolidated in *Strauss v. Horton*, and the denial of tax exemption on the estate of Thea Spyer led to a United StatesSupreme Court case regarding this action. Arnold Schwarzenegger initially served as the defendant in another case involving this action, but was replaced by Senator Dennis Hollingsworth. This action, legalized in *Hollingsworth v. Perry*, was prevented from being recognized by the federal government by DOMA. For 10 points, name this action advocated against by California’s Proposition 8.

ANSWER: **same-sex marriage** [accept clear knowledge equivalents; prompt on **marriage** and equivalents] <CL>

5. In the Miller effect, this quantity is increased because of the amplification of its effect at input and output terminals, and complex impedance for the device associated with this quantity can be derived from the Laplace transform of Ohm’s law for this quantity. This quantity’s parasitic form limits the efficiency of circuits at high frequencies. In parallel plates, this value is equal to permittivity times area divided by the amount of separation between the plates. The simplest way to obtain this value is to dividing charge by voltage, and its SI unit of measurement is the farad. For 10 points, name this measure of the ability of a body to store an electrical charge.

Answer: **capacitance** <JK>

6. This man designed a building at the Illinois Institute of Technology, the S. R. Crown Hall. A pair of this man’s works generated controversy due to their non-functional mullions. This architect of the Lake Shore Drive Towers also designed an iconic chair for his Barcelona Pavilion at the 1929 International Exhibition. Another one of his works rests on 5-foot stilts and features walls comprised almost entirely of glass. This architect of the Farnsworth House designed a building containing the Fours Seasons restaurant in his characteristic International Style, the Seagram Building. For 10 points, name this last director of the Bauhaus school, known for epigrams such as “less is more.”

ANSWER: Ludwig **Mies** **van der Rohe** [accept either underlined part] <AT>

7. In the late 1600s, this city lost control of Crete in a 24-year siege but gained control of Morea from the Ottomans. Under Franscesco Carmagnola, this city’s army won the battle of Maclodio, forcing the Visconti family to resign and allowing the Sforza family to gain control of Milan. This city negotiated the *Pactum Warmundi*, granting them autonomous communities in the Levant, and that city’s forces led the Siege of Tyre. One of this city’s early competitors occupied colonies as far as the island of Chios and Kaffa, and that city was Genoa. Pope Julius II formed the League of Cambrai with the French to fight this city’s *condottiere* army in 1508. For 10 points, name this Italian city on the Adriatic famed for its canals.

ANSWER: **Venice**

8. The Uravan Mineral Belt is a major source of uranium and vanadium in this mountain range. Threatened Canadian lynx primarily live in the San Juan mountains in the south of this range, and prairie oysters made of fried and coated animal gonads are also named for this mountain range. Benjamin Bonneville used the South Pass to lead the first wagon crossing of this mountain range. The Bitterroot subrange of this range was crossed by Lewis and Clark. Pikes Peak and the Tetons are famous landmarks in this range, which is the Continental Divide. For 10 points, name this mountain range of North America stretching from Mexico to British Columbia.

ANSWER: The **Rockies** [accept **Rocky** Mountains] <CV>

9. According to the Collatz Conjecture, sequences of hailstone numbers will always reach this number. Benford’s law asserts that this number occupies the left-most position in seemingly random numbers with around 30 percent probability. The Mobius function gives this value if the number inputted has an even number of prime factors and is not a square. In *Principia Mathematica*, this number is defined as the set of all singletons. Logarithms with this number as a base are undefined, and the Mobius strip has this many sides. For 10 points, name this number, the first positive integer.

ANSWER: **one** <BS>

10. This poet laments “soul more white / never through martyrdom of fire was led / to its repose” in a poem mourning the death of his wife. In another poem about his family, this poet tells three “blue-eyed banditti” that he will keep them “in the round tower of [his] heart.” This author of “The Cross of Snow” and “The Children’s Hour” also wrote a number of long narrative poems, including one in dactylic hexameter about the Acadian girl Evangeline. For 10 points, name this poet who wrote about a man who lives “by the shore of Gitche Gumee” in “The Song of Hiawatha.”

ANSWER: Henry Wadsworth **Longfellow** <SEA>

11. This man suggested that since each historical event was driven by a principle movement, if Caesar and Pompey did not usurp the Republic, others would have done the same because of the ambition of man. He claimed that England could not form a republic after the Civil War because it lacked the requisite love of virtue. In his most famous work, he attributed the freer governments in western nations to their colder climates and said that women could lead a state but not a household. For 10 points, name this French enlightenment philosopher who advocated for the separation of powers into the judicial, legislative, and executive branches in his *The Spirit of the Laws*.

ANSWER: Baron de **Montesquieu**

12. This instrument features as a prominent soloist in Alexander Scriabin’s *The Poem of Ecstasy* and it is scored as a soloist along with strings in Shostakovich’s First Piano Concerto. J. S. Bach wrote a part for the natural variety of this instrument in his *Brandenburg Concerto No. 2*, while the development of keys allowed Haydn to write an E-flat concerto for it. Mahler’s Fifth Symphony opens with a call on this instrument, for which Jeremiah Clarke wrote a march often known as this instrument’s “voluntary.” For 10 points, name this valved instrument similar to a cornet, the highest-pitched member of the brass family.

ANSWER: **trumpet** <BM>

13. During the Ordovician age, these structures first appeared in monads, dyads, and tetrads. Four to eight of these structures are housed in the ascus, which produces them via mitotic division. During transport, these objects can be protected by a double wall covered in spines known as spinulose or echinate. Non-motile types of these objects are known as conidia, and during alternation of generations, they are diploid and are produced instead of gametes. In certain organisms, these objects are released from gills and stored in the cap. For 10 points, name these structures that are dispersed through the air by plants and fungi, which assist asexual reproduction.

ANSWER: **spore**s <AT>

14. In one of this man’s plays, a café employee going by the alias Bernard Jenkins puts off “going to Sidcup” to prove that his name is Mac Davies, despite the man he’s staying with, Aston, giving him shoes and money. A character created by this man reads articles on a cat-killing child and an elderly man who was run over by a truck. Another character in that play by this man can’t figure out why the toilet takes so long to flush and argues about the phrase “light the kettle.” For 10 points, name this British playwright of *The Caretaker* and *The Birthday Party*, who created hitmen Gus and Ben in The *Dumb Waiter*.

ANSWER: Harold **Pinter** <NB>

15. One character on this show runs over his foot with a lawnmower, and this show has famously confusing “scenes from our next episode” promos. The pilot episode of this show has one character meeting with executives of Lucky Strike cigarettes, and an important event in this show is when the main character’s wife Megan sings “Zou Bisou Bisou.” This show was created by a former writer of *The Sopranos*, Matthew Weiner, and its most recent season ended with the Apollo 11 moon landing, watched in different households by the families of Joan Harris, Roger Sterling, Peggy Olson, and a character whose real name is Dick Whitman. For ten points, name this 1960’s-set show starring Jon Hamm as Don Draper, an advertising executive at Sterling Cooper Draper Pryce.

ANSWER: **Mad Men** <SB>

16. The Preamble to these agreements mentions “four wars during 30 years”, and another part of these agreements established a strong local police force including Jordanian citizens. One provision of these agreements would see the guarantee of right of passage through the Strait of Tiran and the return of the Sinai Peninsula, but one of these agreements was rejected by the United Nations, in part for not affirming the “right of return.” After the signing of this agreement, the two main signatories would receive the 1978 Nobel Peace Prize, and one of these signatories, Anwar Sadat would later be assassinated. For 10 points, name this agreement between Israel and Egypt, overseen by President Carter at a namesake presidential retreat.

ANSWER: **C​amp David**​ Accords <JL>

17. This process sometimes employs packing materials such as Raschig rings to increase surface area, which are placed at theoretical plates. Calcium carbonate “chips” are often used to reduce spilling in mixtures undergoing this process. Industrially, a process called “cracking” separates hydrocarbons of different lengths in crude oils via the “fractional” type of this process. Solutions that this process cannot be performed on are known as azeotropes. Aluminium foil wrapped around glass joints and sand are commonly used to control the heating of liquids in this process. For 10 points, name this method used to separate mixtures based on the different boiling points of the components.

ANSWER: fractional **distillation** <AT>

18. In this collection, a man prepares his pet as a feast for his beloved, only to find out that she had come seeking to make a gift to her sick son of his falcon. As in *Cymbeline*, a man in this collection enters a chaste woman’s chamber by concealing himself in a chest. In another of its stories, a man tells the parable of three equally valuable rings when asked to choose between the Abrahamic religions. This collection is framed as the stories told to each other by ten young nobles during ten days spent fleeing a plague in Florence. For 10 points, name this collection of stories by Boccaccio.

ANSWER: the ***Decameron*** <SEA>

19. One of this artist’s works can only be viewed through a peephole in a wooden door, and depicts the body of a supine nude woman lying on grass. Healso prominently featured a snow shovel in his *Prelude to a Broken Arm*. Another of his works features nine “Malic Molds” below the Bride’s Domain. This artist of *Etant Donnes* and *The Large Glass* modeled in a series of photographs featuring him crossdressed as Rose Selavy. He painted a mustache on a Mona Lisa postcard in his L.H.O.O.Q, and signed R. Mutt on a urinal, passing it off as art. For 10 points, name this artist associated with Dadaism, who created *Fountain* and many other readymades.

ANSWER: Marcel **Duchamp** <AT>

20. After the Treaty of Fort Jackson was signed, high demand for this product prompted the “Alabama Fever.” Harriet Ann Jacobs said she would rather spend the rest of her life growing this item “than to live with an unprincipled master and a jealous mistress.” The Lancashire Famine was caused by a reduction in the green-seed variety of this crop sent to Great Britain. Politicians and authors declared that this crop was “king” in asserting that the Confederacy would win the Civil War. For 10 points each, name this cash crop, the production of which was revolutionized in 1791 by Eli Whitney.

ANSWER: **cotton** [accept specific variants of cotton] <GA>

TB. Overconsumption or underconsumption of this element can lead to the Wolff-Chaikoff effect or the Jod-Basedow effect, respectively. A compound containing three atoms of this element is activated by a severe drop in body temperature, and regulates hibernation cycles and molting. That hormone regulates protein synthesis and bone growth, as well as basal metabolic rate. A deficiency of this element in the body can lead to Graves’ disease, symptoms of which include bulging eyes and a goiter. Those symptoms are attributed to overactivity of the thyroid, where this element is stored. For 10 points, name this halogen with atomic symbol I.

ANSWER: **iodine** <AT>

**Bonuses**

1. This type of musical work lends its name to a ground bass built on a descending fourth, which is meant to inspire sorrow in the listener. For 10 points each:

[10] Name this type of work which, like an elegy, expresses deep grief. A notable one sung by the character Dido includes the line “When I am laid in Earth.”

ANSWER: **lament**

[10] This Baroque English composer of *The Fairy-Queen* wrote the aforementioned “Dido’s Lament” in his opera *Dido and Aeneas*.

ANSWER: Henry **Purcell**

[10] Another lament-like work is this elegy for 23 strings by Richard Strauss. He wrote the phrase “In Memoriam!” above a section which quotes the funeral march of Beethoven’s *Eroica* Symphony.

ANSWER: ***Metamorphosen*** <BM>

2. Gas particle collisions against the wall of a container are responsible for this quantity. For 10 points each:

[10] Name this quantity which is defined as force exerted per unit area. It is related with the volume of a container via Boyle’s law.

ANSWER: **pressure**

[10] Gay-Lussac’s law gives this type of relationship between pressure and temperature for a gas. In contrast with Boyle’s law, pressure increases as its related quantity increases.

ANSWER: **directly** or **linearly proportional** [prompt on **proportional**]

[10] This Italian scientist names a unit for pressure equivalent to one millimeter of mercury. His namesake law relates the speed of a fluid going through an opening with the height of the opening.

ANSWER: Evangelista **Torricelli** <BM>

3. This animal and Skunk are are sometimes portrayed as incompetent hunters. For 10 points each:

[10] Name this canine Native American god who, like Raven, is often depicted as a trickster. In one legend, he created the Milky Way by blowing the stars into the sky.

ANSWER: **Coyote**

[10] Coyote appears in the *Diné Bahaneʼ* of this tribe. According to this tribe's creation myth, Spider Woman taught humans to weave.

ANSWER: **Navajo** [accept **Naabeehó**; prompt on **Diné**]

[10] In the myths of this North American people, the sea goddess Sedna sinks to the bottom of the ocean after her fingers are cut off to form sea animals. The myth system of these people also features Nanook, the master of bears.

ANSWER: **Inuit** [accept **Inuk**; or **Eskimo**s; or **Yupik**] <SEA/AG>

4. This character avoids getting shaved because he believes it to be an attempt by Nurse Ratched to trick him into submitting to what he calls “The Combine.” For 10 points each:

[10] Name this acute patient who narrates the work that he is featured in. Orderlies believe him to be deaf and mute, and he euthanizes a recently lobotomized Randle McMurphy before throwing a shower panel through a window and running away.

ANSWER: **Chief** **Bromden** (accept either underlined portion)

[10] Chief Bromden is the narrator of this novel set in an Oregon psychiatric institution. Residents are divided into “acutes” and “chronics” and antagonized by head nurse Nurse Ratched.

ANSWER: ***One Flew Over the Cuckoo’s Nest***

[10] This American author and leader of the Merry Pranksters also set his 1964 novel centering on Henry Stamper and his logging business, *Sometimes a Great Notion*, in Oregon.

ANSWER: Ken **Kesey** <NB>

5. *La Francophonie* still includes some French territories. For 10 points each, name some:

[10] This Canadian province is a former French colony, which is why it is the only province to have French as its only official language. An independence referendum in this province was narrowly defeated in 1995.

ANSWER: **Quebec**

[10] This West African country, with its capital at Dakar, was formerly part of the Mali federation, before splitting off to form its own country. It completely surrounds The Gambia.

ANSWER: **Senegal**

[10] This French *department* is in South America. It is best known as the site of the European Union’s spacecraft launches, due to its proximity to the equator.

ANSWER: **French Guiana** (do not accept French Guinea) <SB>

6. After Charles II returned to power, this leader’s corpse was exhumed and beheaded. For 10 points each:

[10] Name this leader of the New Model Army who became “Lord Protector” after the establishment of “The Protectorate” at the end of the English Civil War.

ANSWER: Oliver **Cromwell**

[10] Cromwell was a prominent member of this faction, which supported Parliament, during the English Civil War. It opposed the Cavaliers, the royalists supporting King Charles I.

ANSWER: **Roundhead**s

[10] Cromwell defeated a much larger army at this 1648 battle, which essentially destroyed the Cavalier cause in the English Civil War. This battle pitted the New Model Army against an alliance of Scots and Cavaliers.

ANSWER: Battle of **Preston** <CV>

7. The concentration of luteinizing hormone rises rapidly just before this occurrence. For 10 points each:

[10] Name this process which occurs when de Graaf’s follicles rupture, during which the ovary releases an egg.

ANSWER: **ovulation**

[10] Luteinizing hormone also promotes the formation of this entity, which forms after ovulation. This entity is preserved by human chorionic gonadotropin if pregnancy occurs.

ANSWER: **corpus luteum**

[10] The concentration of this hormone rises in the luteal phase after ovulation. The corpus luteum releases estrogen and this female hormone.

ANSWER: **progesterone** <AG>

8. This character refuses to sign a declaration because a framed picture of the Russian Czar hangs above it. For 10 points each:

[10] Name this best friend of Cranley who hears a sermon by Father Arnall at Clongowes College and decides to leave university to pursue art, the Irish protagonist of *A Portrait of the Artist as a Young Man*.

ANSWER: **Stephen** **Dedalus** [accept either underlined part]

[10] Stephen Dedalus returns to Ireland and becomes a history teacher in *Ulysses*, a novel by this author of *Finnegan’s Wake* and the short story collection *Dubliners*.

ANSWER: James **Joyce**

[10] In this story from *Dubliners*, a young boy fails to buy Mangan’s sister a gift from a bazaar because his uncle arrives home late.

ANSWER: **Araby** <NW>

9. America will pick a new leader in 2016. For ten points each, name some of the candidates.

[10] This former senator and Secretary of State is the clear favorite to win the Democratic nomination. She attracted controversy by using a private email instead of her official .gov account.

ANSWER: Hillary Rodham **Clinton**

[10] One possible spoiler for Clinton’s nomination is this man, the Democratic former governor of Maryland. His achievements as governor include the legalization of gay marriage and making some undocumented immigrants eligible for college tuition.

ANSWER: Martin **O’Malley**

[10] The Republican governor of Wisconsin has ranked highly in most recent polls thanks to his agenda of union-busting and slashing public university funding. In 2012, his budget repair legislation led to significant protests.

ANSWER: Scott **Walker** <SB>

10. This person improved the glass harmonica by having the glasses rotate on a shaft, so a player's finger could be held still. For 10 points each:

[10] Name this founding father, inventor of bifocals, and publisher of *Poor Richard’s Almanack*.

ANSWER: Benjamin **Franklin**

[10] At this meeting, Franklin proposed a plan in which the colonies would unite to fight with the British in the French and Indian War. Franklin drove his point home with a cartoon showing a snake cut into eight parts, with the caption “Join, or Die.”

ANSWER: **Albany Congress** [accept the **Conference of Albany**]

[10] The Albany Congress became a model for later meetings of the colonies, such as the First Continental Congress, which was convened to attempt to stop the enforcement of this set of acts passed after the Boston Tea Party.

ANSWER: **Intolerable** Acts [accept **Coercive** Acts] <CV>

11. This poem opens with the lines, “Turning and turning in the widening gyre / The falcon cannot hear the falconer” and ends asking “what rough beast...slouches towards Bethlehem to be born?" For 10 points each:

[10] Name this poem that was written to describe the post-World War I atmosphere in Europe and inspired the Chinua Achebe novel *Things Fall Apart*.

ANSWER: *The* ***Second Coming***

[10] This Irish poet wrote *The Second Coming*, as well as his poetry collections The Tower and The Winding Stair. This poet’s collaborations include helping to found the Abbey Theatre and writing the introduction to *Gitanjali*.

ANSWER: William Butler **Yeats**

[10] Yeats wrote this sonnet about the rape of the title figure and asks “Did she put on his knowledge with his power /   
Before the indifferent beak could let her drop?”

ANSWER: ***Leda and the Swan*** <SoH>

12. Some of the first examples of these objects were made with electrum and had lion head decorations on them. For 10 points each:

[10] Name these objects which may have first been used by the Lydians. An early Egyptian one was called a *deben* and a Han dynasty one called a *tongbao* made of copper or bronze had a square hole in it to string.

ANSWER: **coins**

[10] In China, Song dynasty merchants used this material for currency as certificates of deposit to replace coins. The Bank of England later issued “banknotes” or “running cash notes” of this material.

ANSWER: **paper**

[10] Ancient Roman and Greek trade routes like the Incense Route featured these trading stations in cities like Ecbatana and Antioch. This word also refers to trading stations in general.

ANSWER: **emporia** or **emporium**

13. Harkis and *pieds-noirs* (or *colons*) primarily served on the same side of a conflict named for this country that began with *Toussaint Rouge*. For 10 points each:

[10] Name this North African colony which became independent in 1962, after its FLN demoralized Charles de Gaulle’s France. The Battle of Algiers here saw de Gaulle lose the French public’s support.

ANSWER: **Algeria**

[10] These accords gave Algeria independence and paved the way for its future cooperation with France, although they allowed France some military bases like the one at Mers-El-Kebir.

ANSWER: **Evian** Accords

[10] This second President of Algeria overthrew Ahmed Ben Bella, nationalized the oil industry, eliminated all parties except the FLN, and created a new National Charter.

ANSWER: Houari **Boumedienne**

14. This type of dance employs large papier-mache masks lavishly decorated with fur. For 10 points each:

[10] Name this type of Chinese performance in which two dancers sharing a costume synchronize their movements to mimic the title creature. It is often performed during Chinese New Year celebrations.

ANSWER: **lion** dance [accept **wushi**]

[10] Many lion dance performances feature the beasts consuming this vegetable, which a red envelope is hidden in. The act supposedly brings good luck and fortune.

ANSWER: **lettuce** [accept **cabbage**]

[10] Lion dancing is often performed with this other type of dancing, where performers manipulate a long fabric tube with wooden poles. A single performer carrying a stick-mounted orb usually leads the performance.

ANSWER: **dragon** dance [or **wulong**] <AT>

15. According to Immanuel Kant, this phenomenon begins with a thesis, is contradicted by an antithesis, and is finally resolved by a synthesis. For 10 points each:

[10] Name this method of argument. When the two parties involved recognize that they are both self-conscious, the master-slave version of this phenomenon occurs.

ANSWER: **dialectic**s

[10] The master-slave dialectic was first proposed in the *Phenomenology of Spirit*, a work by this German philosopher. His work on absolute idealism concerns how being can be comprehensible as an all-inclusive whole.

ANSWER: Georg Wilhelm Friedrich **Hegel**

[10] This phrase is commonly attributed to Hegel, though he never actually used this word. It refers to the dominant school of thought that influences the culture of a particular period in time.

ANSWER: ***Zeitgeist*** <AT>

16. He helped popularize a movement with the likes of Bart van der Leck and Vilmos Huszár. For 10 points each:

[10] This Dutch artist of *Broadway Boogie-Woogie* detailed Dutch principles like new imagery and abstract-real painting in his article “Plastic Art and Pure Plastic Art.”

ANSWER: Piet **Mondrian**

[10] Mondrian contributed heavily to this Dutch movement of art and architecture, which was founded by Theo van Doesburg. They relied on only black, white, and the primary colors.

ANSWER: **De Stijl** [accept **neoplasticism**]

[10] De Stijl designer Gerrit Rietveld created the “Red and Blue” and “Zig-Zag” versions of these pieces of furniture. Other notable ones include Eero Saarinen’s “Tulip,” which was used in the original *Star Trek* set.

ANSWER: **chair**s <NB>

17. The subject of this bonus is not to be confused with the board game. For 10 points each:

[10] Name this zero-player “game” which attempts to model how its namesake phenomenon evolves. Cells in this game are considered dead or alive based on the number of neighbors.

ANSWER: **Game of Life**

[10]In addition to the Game of Life, this British mathematician developed several other games, such as sprouts and philosopher’s football. He also introduced the look-and-say sequence and invented surreal numbers.

ANSWER: John Horton **Conway**

[10] These patterns in the Game of Life are the smallest known spaceship, and they travel diagonally. While they often arise from random configurations, they can be produced by their namesake gun.

ANSWER: **glider**s <BS>

18. This author wrote about a character named Janet who deals with her father’s impending death by visiting the planetarium in “The Moons of Jupiter.” For ten points each:

[10] Name this contemporary short story author who wrote the collections *Runaway* and *Dance of the Happy Shades.*

ANSWER: Alice **Munro**

[10] Munro is the only Nobel prize winning author from second-largest country by area, whose authors also include Cynthia Ozick and Robertson Davies.

ANSWER: **Canada**

[10] Like Munro, this fellow Canadian won the Man Booker Prize for his novel about a boy set adrift on a raft with a Bengal tiger, *Life of Pi*.

ANSWER: Yann **Martel**

19. In her book *The Death and Life of Great American Cities,* Jane Jacobs used the difference between the west and east sides of this city as evidence for the need for short blocks. For 10 points each:

[10] Name this city where Jacobs had a Hudson Street home. She praised the neighborhood that she lived in as an example of a successful city community.

ANSWER: **New York** City

[10] *The Death and Life of Great American Cities* is an important text in this discipline, which determines how streets, buildings, and other infrastructure will be organized in a community.

ANSWER: **urban planning** or **city planning**

[10] During her life, Jacobs was an outspoken opponent of this “master builder” of New York City responsible for the Triborough Bridge and Shea Stadium. Robert Caro’s biography *The Power Broker* was written about him.

ANSWER: Robert **Moses**

20. The “moment” of this configuration for two point charges is just charge times the displacement vector. For 10 points each:

[10] Name this configuration consisting of two equal but opposite point charges separated by some distance.

ANSWER: electric **dipole**

[10] Though points charges can exist as monopoles, magnetic monopoles are as of yet undiscovered. This physicist demonstrated that if any magnetic monopoles do exist, then electric charge must be quantized.

ANSWER: Paul Adrien Maurice **Dirac**

[10] An electric field produces this quantity on a dipole. This quantity’s direction is determined by the right hand rule as it is the cross product of the displacement vector from the axis of rotation and force. This quantity also the time derivative of angular momentum.

ANSWER: **torque** [accept **tau**] <CV>

TB. A composition of this type opens the third act of Wagner’s opera *Lohengrin*. For 10 points each:

[10] Name this type of piece which is often played during a marriage ceremony. A notable one comes from incidental music for the play *A Midsummer Night’s Dream*.

ANSWER: **wedding march** (prompt on **march**)

[10] The aforementioned “Wedding March” is by this German composer of the *Scottish Symphony* and *The* *Hebrides* overture.

ANSWER: Felix **Mendelssohn** Bartholdy

[10] Mendelssohn wrote a string chamber piece of this type, named after the number of instruments it contains. Another piece of this type for wind ensemble is by Stravinsky.

ANSWER: **octet** <BM>