

## Prison Bowl VI

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### Round 07 – Tossups

1. Karl Popper argued that this work depicted a totalitarian state, as music and art were banned and children were raised away from their parents. Its *phulakes* were to give up their wealth and rule for the good of the state, and it includes a parable describing souls of gold, silver, and iron. In one section, the Spindle of Necessity is the destination of Er. In another part of this work, shadows thrown by a fire are contrasted with the light of the Sun, which represents knowledge of the Good. That section details a figure's journey into the realm of the Forms from the ignorance of the Cave. For 10 points, name this work by Plato that describes an ideal world ruled by philosopher-kings.

ANSWER: *The **Republic*** [or ***Politeia***] <WD>

2. During the winter, polar vortices may form clouds with a characteristic mother-of-pearl color in this region, known as nacreous clouds. Krakatoa easterlies, now known as the quasi-biennial oscillation, are found in this layer of the atmosphere. However, traditional clouds are typically found in the layer immediately below this one. This layer experiences no regular convection because of thermal inversion, in which temperature increases with altitude as one moves away from the tropopause. For 10 points, name this layer of Earth's atmosphere, found between the troposphere and mesosphere, the site of jet planes and the ozone layer.

ANSWER: **stratosphere** <WR>

3. One artist from this movement painted yachts preparing for a race on the French Riviera, *Regatta at Cowes*. Another artist from this movement is known for four depictions of the River Thames, including one in which five blue boats float below a train on *Charing Cross Bridge*. Including Raoul Dufy and Andre Derain, this movement got its name after the Salon d'Automne, which Louis Vauxcelles described with the phrase "Donatello among the wild beasts". For 10 points, name this early 20th century art movement which emphasized vivid colors and was led by Henri Matisse.

ANSWER: **Fauvism** [or les **Fauves**; or the **wild beasts** before mention] <WR>

4. One of these statements compared the state flower of Kansas to its governor, while an earlier one pointed out that the Governor of New York had an illegitimate child while he was still a Buffalo attorney. One of these statements was utterly disregarded one year after its usage in countering Charles Evans Hughes. Another one of these declared that it was "Morning Again in America", while Woodrow Wilson's declared that "He kept us out of war", and supporters of William Henry Harrison chanted "Tippecanoe and Tyler too". For 10 points, name these memorable phrases used by presidential candidates, which for Barack Obama included "Change We Can Believe In" and "Yes We Can".

ANSWER: United States presidential **campaign slogans** [prompt generously on "political slogans", "candidate mottos" and the like] <WR>

5. In this work, one character tells an injured boy to suck on his wound "like Berengaria"; earlier, that character told the protagonist that "You'll get back all right". Another character in this novel makes Percival Wemys Madison cry by kicking over the littlun's sandcastles. That character, Roger, later tortures Samneric and releases a boulder which kills an overweight, bespectacled boy while working as a hunter for Jack Merridew's tribe. For 10 points, name this book in which a group of British schoolboys, including Piggy and Ralph, descend into savagery after they are stranded on an island, the magnum opus of William Golding.

ANSWER: ***Lord of the Flies*** <WR>

6. This process can be characterized for organic compounds by the Kovats index, which uses the peaks of two known alkanes to determine the retention index of a sample. One type of this technique exploits capillary action on an activated glass plate, while in another type of this process, pressurized gas forces the elutant through small grains of silica to increase the flow rate. That “flash” type of this method is an example of the “column” type, which uses a solid stationary phase and a solvent as the mobile phase. For 10 points, name this analytical technique used to separate mixtures, often into differently-colored layers.

ANSWER: chromatography [accept gas chromatography in the first sentence] <SH>

7. Although this man’s party pledged not to run a candidate for the presidency, they later broke that pledge and nominated him when another was barred from running. He disputed the destruction of the Twin Towers, arguing that a “conference” should be held to determine the guilty party. He helped negotiate a ceasefire between Hamas and Israel, though he expressed solidarity with Hamas, in contrast with his predecessor. This man recently made a declaration that imposed martial law and protected his actions from judicial review, but withdrew it when the Constitutional Party criticized him. For 10 points, name this member of the Muslim Brotherhood and current president of Egypt, the successor of Hosni Mubarak.

ANSWER: Mohamed Morsi <RS>

8. Raiders led by William Quantrill responded to a jail collapse by sacking a city in this state. A senator from this state, James Henry Lane, recruited the first African-American regiment to fight, and black colonies were created in this state by Benjamin “Pap” Singleton. Many of the Exodusters settled in this state, where a pro-slavery Lecompton Constitution had been drafted. John Brown led the Pottawatomie Massacre in this state, where Lawrence was burned as a result of conflicts between Bushwhackers and Jayhawkers. For 10 points, name this last state admitted to the Union before the start of the Civil War, with its capital at Topeka.

ANSWER: Kansas <AM/ZZ>

9. One of this author’s novels centers on a paladin of Charlemagne called Agilulf. Biagio narrates another one of his novels, in which Viola embarks on a love affair with Cosimo Piovasco after he flees into the forest. This author of *The Nonexistent Knight* and *The Baron in the Trees* wrote about the orphan Pin in *The Path to the Nest of Spiders*. Marco Polo silently describes 55 imaginary locales to Kublai Khan in this writer’s *Invisible Cities*. Ermes Marana deliberately threads together partial translations of novels, much to the frustration of two readers of one of his novels, Ludmilla and you. For 10 points, name this Italian author of *If on a winter’s night a traveler*.

ANSWER: Italo Calvino <MZ>

10. This man held that a tax equivalent to one on “the difference between the produce obtained by the employment of two equal quantities of capital and labor” would not lead to price increases, and he argued that exchange value and use value are not the same. His most famous work includes an example involving British cloth and Portuguese wine. He criticized the Corn Laws and wrote *On the Principles of Political Economy and Taxation*. For 10 points, name this British economist who espoused the ideas of the Iron Law of Wages and comparative advantage.

ANSWER: David Ricardo <JL>

11. In this process, carboxylases bind with magnesium ions to form bridges with carbamate. Ferredoxin activates this pathway by reducing thioredoxin, and ribulose 5-phosphate is phosphorylated in one step of this process. Each iteration of this pathway produces a glyceraldehyde-3-phosphate along with 6 NADP from 3 CO<sub>2</sub> and 6 NADPH. In C<sub>3</sub> organisms, this pathway involves the fixation of carbon dioxide catalyzed by the most abundant protein in the world, RuBisCO. Occurring in the stroma of chloroplasts, for 10 points, name this light-independent cycle which synthesizes glucose in photosynthetic plants.

ANSWER: Calvin-Benson-Bassham cycle [or CBB cycle; prompt on “dark reactions” or “photosynthesis” before mentions] <WH>

12. This polity’s most active volcano, located in the southern portion of the Northern Volcanic Zone, is Sangay, which is taller than Pichincha in this country’s north. This nation’s largest city contains the Malecón 2000, a boardwalk on the Guayas River. That city shares its name with a gulf in this country whose southern border extends into Punta Pariñas in Peru. This nation also owns a Pacific archipelago which includes Fernandina Island and Isabela Island, home to marine iguanas and a variety of finches. For 10 points, Guayaquil is the largest city of this South American nation, owner of the Galapagos Islands, with capital at Quito.

ANSWER: Republic of Ecuador <WR>

13. The set directions of this play specify that characters may phase through the walls of its setting, which are only solid in the present. The protagonist, whose entrance is accompanied by flute music, ignores a character who constantly repeats that he is losing weight. Recurring characters in this play include one associated with stockings, the Woman, and one who comes out of the jungle rich, Ben. The protagonist points to Bernard as an example of someone who is “liked”, but not “well-liked”. In this play, Linda reveals a disturbing string of car accidents to Biff and Happy. For 10 points, name this play ending with the suicide and funeral of Willy Loman, a play by Arthur Miller.

ANSWER: Death of a Salesman <PS/MZ>

14. In this book, a woman gives birth to two boys, one who “came out red all over like a hairy garment” and another who grasped the first one by the heel. This occurs after the mother is told that “two nations are in thy womb.” This book is the first to mention Shem, Japheth, and Ham, the sons of a man who is brought an olive branch by a dove. The first verse of this book’s first chapter states that “In the beginning God created the heaven and the earth” before describing Adam and Eve in the Garden of Eden. For 10 points, name this first book of the Old Testament.

ANSWER: Book of Genesis <WR>

15. This man wrote the aria *La Deplorable Fete*, where the opera’s titular women prepare to commit mass suicide when Greek soldiers demand treasure. He also wrote the orchestral arrangement to Weber’s *Invitation to the Dance*. A viola represents the title character of his second symphony as he finds company with a dangerous crowd in the fourth movement titled “Orgie de brigards”. In addition to writing *Les Troyens* and *Harold in Italy*, he created a work where an artist is fixated on a woman associated with a clarinet motif also called the “idée fixe”. After taking opium, the artist dreams an execution in “March to the Scaffold” that sends him to a “Witches’ Sabbath” in hell. For 10 points, name this composer of *Symphonie Fantastique*.

ANSWER: Hector Berlioz <WH>

16. This event continued despite Léger-Félicité Sonthonax’s attempts to grant more rights to the *affranchis* and the *gens de couleur*. One of this conflict’s battles, fought near the Artibonite River, was the battle of Crete-a-Pierrot, in which an expedition led by Charles Leclerc eventually captured a fort held by Jean-Jacques Dessalines. One leader of this rebellion was later betrayed by the trickery of Jean-Baptiste Brunet. This rebellion took place on a French colony then known as Saint-Domingue, and the victorious rebels were led by Toussaint Louverture. For 10 points, name this successful 1791 slave uprising which led to the independence of a Caribbean nation that currently shares Hispaniola with the Dominican Republic.

ANSWER: Haitian Revolution [accept equivalents] <WR>

17. One character in this work discusses the poor conduct of a goldsmith and a shoemaker while trying to pry open the treasury. That character, the Magistrate, orders four officers to seize the title character, but they defecate themselves and run away. This work’s conflict is resolved when Myrrhine’s husband Kinesias calls for several ambassadors who “display their erections with military precision” before agreeing to a treaty, where the body of the girl Reconciliation is used as a map of Greece. For 10 points, name this ancient comedy in which Athenian women end a war by refusing to have sex with their husbands, an Aristophanes play.

ANSWER: Lysistrata <WR>

18. This theory predicts an increase in traveling distance proportional to the negative log of  $1 - R \cdot x$  in an effect named for Shapiro. The left side of an equation that governs this theory includes a term named for Ricci as well as a term equal to half the metric tensor times the scalar curvature. That equation is solved for by the Kerr and Schwarzschild metrics. This theory predicts that light will be deflected away from massive matter through gravitational lensing. For 10 points, this theory describing gravity and the curvature of spacetime, posited by Einstein and contrasted with a “special” counterpart.

ANSWER: general relativity [prompt on partial; do not accept “special relativity”] <SH>

19. The Hyksos worshiped this figure because he was the patron deity of foreigners. He once raced his archenemy but sank to the bottom of a river in a boat made of stone. This deity stood at the head of Ra's boat with Sekhmet, defending against Apophis. He was born when Thoth stole the moon's light, and he was the brother and husband of Nephthys. A falcon-headed god avenged his father, the husband of Isis, after this god killed and chopped him into fourteen pieces. For 10 points, name this Egyptian god of storms and chaos who killed his brother Osiris but failed to usurp Horus's throne.

ANSWER: Seth <WD>

20. This ruler was able to secure the non-intervention of other European powers as a result of the brutal crushing of the April Uprising, and was able to reach favorable peace terms in the Treaty of San Stefano. Finland began to use the markka as currency thanks to his encouragement, and he repudiated Article 11 of the Paris Peace Treaty by rebuilding the Black Sea Fleet. He signed the Loris-Melikov Constitution and had formulated a plan for a Duma, though he may be better known for ordering the allotment of land to a certain class of people. His reign ended as a result of a bomb attack by the People's Will group. For 10 points, name this reforming Russian Czar who issued a decree emancipating the serfs in 1861.

ANSWER: Alexander II <AM>

TB. A character in this work goes undercover as Monsieur Madeleine after stealing silver from Bishop Myriel. That character rescues a sailor caught in the rigging of a ship and uses the resulting chaos to escape. Gavroche is killed while collecting ammunition, and another character in this novel is fired from the protagonist's factory. The protagonist settles down at Gorbeau House after confronting Thenardiers and retrieving Cosette, who promptly falls in love with a revolutionary named Marius. For 10 points, name this novel in which Javert attempts to apprehend Jean Valjean, by Victor Hugo.

ANSWER: *Les* Miserables [or *The* Wretched Ones] <JL>

## **Round 07 – Bonuses**

1. His organ composition, “As Slow As Possible”, began to be played in 2001 and may end around 2640. For 10 points each:

[10] Name this American pioneer of aleatoric and avant-garde music, who composed five *Imaginary Landscapes* and a three movement work where the instrumentalist does not play, 4’33’’.

ANSWER: John **Cage**

[10] This 20th century American composer is notable for incorporating phasing in his minimalist compositions. He wrote *Different Trains* and sampled Brother Walter and a pigeon in his *It’s Gonna Rain*.

ANSWER: Steve **Reich**

[10] Reich wrote a guitar piece named “Electric” this. In Baroque polyphony, this word refers to two different melodic lines that harmonize, with an “imitation” variety utilized in fugues and canons.

ANSWER: **counterpoint** <WR>

2. If these entities are  $k$ -regular, every vertex is of the same degree  $k$ . For 10 points each:

[10] Name these mathematical constructs made up of vertices connected by edges. The Seven Bridges of Königsberg problem can be reduced to one of these representations with four vertices and seven edges.

ANSWER: **graphs**

[10] Visiting every vertex of a graph can be done with depth-first or breadth-first types of these algorithms. The binary type of this kind of algorithm continually calculates a middle value in order to find an input value.

ANSWER: **search** algorithms

[10] This search algorithm named for a Dutch computer scientist finds the shortest path between vertices of a graph by calculating the path costs of every neighboring vertex at the current vertex.

ANSWER: **Dijkstra**’s (“DIKE-sra’s”) search algorithm <WR>

3. On his Hajj, he displayed his generosity and wealth by building a mosque every Friday and distributing such quantities of gold that its value was deflated in Egypt. For 10 points each:

[10] Identify this leader of the Mali Empire who came to power after his predecessor disappeared while exploring the Atlantic Ocean.

ANSWER: Mansa **Musa** I

[10] Mansa Musa provided a great deal of financial support for this institution, allowing it to hold the largest collection of manuscripts in Africa at the time. One of its main centers, Sidi Yahya, was recently damaged.

ANSWER: **University of Sankore** [or **Sankore Masjid**; or **Sankore Madrasah**]

[10] Though Mansa Musa was able to repel an invasion by the Mossi kingdom, his successors were eventually defeated by this other empire under the leadership of Sonni Ali. This empire in turn was defeated by Morocco.

ANSWER: **Songhai** Empire <ZZ>

4. Name the following about a novel by Alexandre Dumas, for 10 points each.

[10] This novel, set in the 17th century, features the title trio along with Milady de Winter and Cardinal Richelieu, who plots against the Queen.

ANSWER: *The* **Three Musketeers** [or *Les* **trois mousquetaires**]

[10] This protagonist of *The Three Musketeers* is not actually one of the Three Musketeers. He proposes the motto “All for one, one for all,” and has a brief relationship with Milady de Winter.

ANSWER: **d’Artagnan**

[10] D’Artagnan is ordered to the siege at this place, to which the Musketeers return after Milady’s execution. At the end of the book, the siege by the forces of Louis XIII on this Huguenot stronghold concludes.

ANSWER: **La Rochelle** <SH>

5. Name some albums and bands named “Red”, for 10 points each.

[10] This singer-songwriter released her album *Red* in 2012, which contains such tracks like “We Are Never Ever Getting Back Together”. Her 2008 album, *Fearless*, contains “Love Story” and “You Belong with Me”.

ANSWER: Taylor **Swift**

[10] The band Red fronted by Michael Barnes performs this genre of music. This subgenre of rock features groups like Relient K, Kutless and Skillet, whose 2000 album *Ardent Worship* contains the track “Angels Fall Down”.

ANSWER: **Christian** rock [accept **Gospel** rock or **Jesus** music]

[10] *Red* is also a 1974 progressive rock album by this London band, with Robert Fripp as lead guitarist. It also produced *In the Wake of Poseidon*, and its track “I Talk to the Wind” makes use of a flute solo.

ANSWER: **King Crimson** <WR>

6. This religion’s calendar has 19 months each with 19 days. For 10 points each:

[10] Name this religion that teaches of divine messengers including Moses, the Buddha, and Mohammed, the most recent ones being the Bab and Baha’u’llah.

ANSWER: **Baha’i**

[10] This is the primary text of the Baha’i faith. It includes a passage known as the “Tablet of the True Seeker,” and is also known as the Book of Iqan.

ANSWER: The **Book of Certitude** [prompt on “Kitab-i-Iqan”]

[10] The Baha’i mother temple of India, completed in 1986, takes its name from this flower that it resembles. This is also the name of one of the sutras of Mahayana Buddhism.

ANSWER: **lotus** [or **Lotus** Temple; or **Lotus** Sutra] <SH>

7. It includes elements from all three states of matter at standard conditions. For 10 points each:

[10] Name this 17th group on the periodic table with members known for their high reactivity. These nonmetals, which include astatine and iodine, have seven valence electrons.

ANSWER: **halogen** elements [or group **VII**]

[10] This halogen with atomic number 35 is a brownish liquid at room temperature. When substituted into ethane, this element forms an alkylating agent and a common fumigant.

ANSWER: **Bromine**

[10] Nucleophilic alkyl-magnesium bromides attack this electrophilic functional group in the Grignard reaction.

This functional group is also attacked by a hydroxide ion in the Cannizzaro reaction.

ANSWER: **carbonyl** group or **CO** group [prompt on “aldehyde” or “ketone”] <AM>

8. Its protagonist takes his father’s words literally by hanging a cat. For 10 points each:

[10] Name this two-part autobiography that traces the author’s childhood in the south and move to Chicago, where he joins and ultimately leaves the Communist Party.

ANSWER: **Black Boy**

[10] This author of *The Outsider*, *Uncle Tom’s Children* and *American Hunger* moved to Paris after the publication of *Black Boy*.

ANSWER: Richard **Wright**

[10] Jan Erlone and Boris Max attempt to understand Bigger Thomas’s murder of Mary Dalton and Bessie Mears in this Richard Wright novel.

ANSWER: **Native Son** <MZ>

9. Name some things about the end of Swedish dominance of Northern Europe for 10 points each.

[10] Swedish forces led by Marshal Rehnskiöld were decisively defeated in this 1726 battle in which a larger Russian force was able to effectively use their numbers to relieve a siege and defeat a Cossack force under Mazeppa.

ANSWER: Battle of **Poltava**

[10] This Russian czar was the commander at Poltava. He ordered a rapid pursuit following the battle and forced the surrender of a large part of the Swedish force at Perevolchna. He also ordered the construction of the Russian Navy.

ANSWER: **Peter I** [or **Peter** the **Great**]

[10] Despite those victories, Sweden was able make peace with more balanced conditions through this treaty which ended the Great Northern War. It followed after an important Swedish strategic victory at Grefvarena.

ANSWER: Treaty of **Nystad** <ZZ>

10. The second track, “Will o’ the Wisp”, is adapted from Manuel de Falla’s opera *El amor brujo*. For 10 points each:

[10] Name this jazz album released in 1960, arranged by Gil Evans. Its rendition of Joaquin Rodrigo’s *Concierto de Aranjuez* has a solo trumpet part played by the composer of the albums *In a Silent Way* and *Bitches Brew*.

ANSWER: Sketches of Spain

[10] *Sketches of Spain* was an album by this jazz trumpeter who experimented with twelve-bar blues in B-flat on the track “Freddie Freeloader”. That track, along with “Flamenco Sketches”, is found on the album *Kind of Blue*.

ANSWER: Miles Davis

[10] Paul Chambers played this instrument for both *Sketches of Spain* and *Kind of Blue*. Also played by Esperanza Spalding and Charles Mingus, this low-range instrument is typically plucked in jazz rather than bowed.

ANSWER: double bass [accept bass prefixed with pretty much any word] <WR>

11. Among his many foes were the Solymi, the Amazons, and a monster that terrorized Lycia. For 10 points each:

[10] Name this mythological hero who slew his most famous enemy with a lump of lead attached to a spear. This man lived on the Plains of Aleion after being blinded and crippled by a gadfly sent by Zeus.

ANSWER: Bellerophon

[10] Bellerophon used a golden bridle to tame this magical winged horse with whom he killed the Chimera. he and his brother Chrysaor sprung from the decapitated corpse of Medusa.

ANSWER: Pegasus

[10] Like his father King Glaucus, Bellerophon hailed from this Greek city. This city-state was also home to Glaucus’s own father Sisyphus, who founded its Isthmian Games.

ANSWER: Corinth [or Ephyra] <WR>

12. It owned a steelyard in London that was closed down after Elizabeth I expelled this organization from England. For 10 points each:

[10] Identify this confederation of trading cities united for commercial and defense purposes along the Baltic and North Seas. Its capital was Lubeck.

ANSWER: Hanseatic League

[10] The Hanseatic League quarreled with Queen Margaret I of Denmark, the founder of this other organization that vied for control of trade in the region. It temporarily unified the Scandinavian states under one foreign policy, though each state remained independent.

ANSWER: Kalmar Union

[10] This port city, now part of Poland, was a member of the Hanse. Its namesake corridor was invaded at the start of World War II, and the Solidarity movement arose from the shipyards here.

ANSWER: Danzig [or Gdansk] <ZZ>

13. It includes stories told by the Man of Law and Canon’s Yeoman. For 10 points each:

[10] Name this collection of stories written in Middle English by Geoffrey Chaucer. In this work, pilgrims journeying to the shrine of Thomas Becket hold a storytelling contest.

ANSWER: *The* Canterbury Tales

[10] In this story told by Alyson, the Queen promises a knight charged with rape that his life will be spared if he can tell her what women most desire. The knight learns the answer from an old hag whom he ultimately marries.

ANSWER: The Wife of Bath’s Tale

[10] The prize for the winner of the storytelling contest is a dinner at this place in Southwark where the travelers initially meet.

ANSWER: Tabard Inn [prompt on “inn” or equivalents] <SH>

14. This city is home to the anime convention Sakura-Con, formerly held in nearby Tukwila. For 10 points each:  
[10] Name this large coastal city in Washington State whose Century 21 Exposition in 1962 saw the construction of the Space Needle, which is a short walk from the Experience Music Project.

ANSWER: **Seattle**

[10] Seattle, as well as Tacoma and Kitsap Peninsula, is located on this body of water. Admiralty Inlet connects this body of water to the Strait of Juan de Fuca, which opens into the Pacific Ocean.

ANSWER: **Puget** Sound

[10] This national park in Washington is on a namesake peninsula which lies west of the Puget Sound. This park contains the Hoh and Quinault rain forests, as well as a namesake mountain range and Hurricane Ridge.

ANSWER: **Olympic** National Park <WR>

15. Answer some things about circuit diagrams for 10 points each.

[10] In a circuit diagram, conventional current flows out of this end of the battery, represented by a long perpendicular line. In actuality, electrons flow into this terminal.

ANSWER: **positive** terminal

[10] Multiple resistors can either be in series or in this configuration. The reciprocal of the total resistance is equal to the sum of the reciprocals of the individual resistances of resistors in this configuration.

ANSWER: **parallel**

[10] More complex circuit diagrams are interpreted using these eponymous equations. One of these laws equates the total current flowing into a junction with the total current flowing out of it.

ANSWER: **Kirchhoff**'s circuit laws <WR>

16. Name some important politicians of the mid-19th century for 10 points each.

[10] This president from New York succeeded Zachary Taylor after serving as his Vice President. As a Whig, he supported the Compromise of 1850, but ran as a Know-Nothing in 1856.

ANSWER: Millard **Fillmore**

[10] This Republican ran against Buchanan and Fillmore in the 1856 election. Known as "The Pathfinder", he had captured Sonoma in 1846 to form a short-lived California republic with William B. Ide.

ANSWER: John C. **Frémont**

[10] This man who served as Secretary of the Treasury and Attorney General under Andrew Jackson was eventually appointed Chief Justice of the Supreme Court. He wrote the majority opinions in *Ex parte Merryman* and *Dred Scott v. Sandford*.

ANSWER: Roger Brooke **Taney** <WR>

17. For 10 points each, name the following about psychiatric therapies.

[10] This approach emphasizes the effect of unconscious factors and childhood experiences on current behaviors. Developers of this approach include Sigmund Freud and Jacques Lacan.

ANSWER: **psychoanalysis**

[10] Unconditional positive regard is a trait of a therapist who uses person-centered therapy, a technique developed by this humanistic psychologist. He is the author of *On Becoming a Person*.

ANSWER: Carl **Rogers**

[10] This therapy is based on the idea that the patient's own perception and thoughts, not the situation, causes anxiety. As a result, it focuses on modifying present dysfunctional thinking.

ANSWER: **cognitive-behavioral** therapy [or **CBT**] <MZ>

18. In one of her works, a character is named after Gogol when his official name is lost in the mail. For 10 points each:

[10] Name this Indian-American author of *The Namesake* who wrote about the generational gap between Ruma and her father in *Unaccustomed Earth*.

ANSWER: Jhumpa **Lahiri**

[10] Shukumar and Shoba trade secrets in the dark of occasional blackouts in "A Temporary Matter", a short story from this Jhumpa Lahiri collection. In its title story, Mrs. Das sees the tour guide Mr. Kapasi as the title figure.

ANSWER: **Interpreter of Maladies**

[10] In "Interpreter of Maladies", these animals isolate and attack Bobby, who is born out of Mrs. Das's adultery. *The Ramayana* features another of these animals called Hanuman.

ANSWER: **monkeys** <MZ>



19. This process requires a clamp protein which keeps DNA fixed to polymerase. For 10 points each:

[10] Name this process in which helicase unwinds genetic material into a leading strand and a lagging strand, which are both then copied.

ANSWER: DNA **replication**

[10] On the lagging strand, RNA primers are added in a 5 prime to 3 prime fashion before these eponymous short segments are produced discontinuously by DNA polymerase delta.

ANSWER: **Okazaki fragments** [prompt on partial]

[10] After Okazaki fragments are synthesized, this enzyme connects them together using two phosphodiester bonds. Another form of this protein which forms a complex with XRCC1 is essential to nucleotide excision repair.

ANSWER: DNA **ligase** <WH>

20. A boy with bright red pants and a white strap plays the titular instrument in his *The Fifer*. For 10 points each:

[10] Name this painter who included a crystal dish of oranges in his *A Bar at the Folies-Bergère* and depicted two well-dressed men discoursing with a nude woman in his *The Luncheon on the Grass*.

ANSWER: Édouard **Manet**

[10] A nude woman is also depicted in this Manet work, in which the title orchid-wearing figure reclines on a bed with a floral shawl on it. On the right side is a black servant delivering flowers as well as a black cat.

ANSWER: **Olympia**

[10] Olympia may have been influenced by this Francisco Goya depiction of a disrobed woman reclining on a green velvet divan. This painting hangs in the Prado next to its “clothed” counterpart.

ANSWER: *The **Nude Maja*** [or *The **Naked Maja***; or *La **maja desnuda***] <WR>

TB. Identify some presidents based on unique statements they made while in office for 10 points each.

[10] This president declared that “we are all Federalists, we are all Republicans” following his victory in the election of 1800, despite having sharpened the partisan divide. One of his first decisions in office led to the case *Marbury v. Madison*.

ANSWER: Thomas **Jefferson**

[10] This man issued a rebuttal to the Freeport Doctrine and, in his first inaugural, declared that the “mystic chords of memory” will “yet swell the chorus of Union”.

ANSWER: Abraham **Lincoln**

[10] This president once finished delivering a speech despite being shot, and attempted to expound his ideology through the bully pulpit. He dismissed a critic of the Sherman Anti-Trust Act by declaring that he could conjure up more letters than the critic.

ANSWER: Theodore **Roosevelt** <ZZ>