

WHAQ (Washington High Academic Questionfest) II: Miami Connection

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Written by current and former members of the teams at Washington and Miami Valley

Packet 11

Tossups

1. Necrosis of this tissue caused by parasites known as phytoplasmas leads to several different "yellows-type" diseases. Material in this tissue can be described as diffusing from sources to sinks through plasmodesmata [*"plas-mo-dez-mah-tah"*]; that model is Ernst Munch's [*"Ernst Moonk's"*] Pressure Flow Hypothesis. Girdling by beavers kills trees by removal of this part of the (*) bark, which consists of companion cells connected to nuclei-lacking sieve tube elements. Unlike in its counterpart, movement in this tissue is bi-directional. For 10 points, name this kind of vascular tissue that transports sugar and nutrients, contrasted with xylem [*"ZY-lem"*].

ANSWER: **phloem** <David Dennis>/<ed. AR>

2. A member of this group supposedly died at his home in Lorium, after having eaten too much Alpine cheese and vomiting the night before. Another member of this group sent forces to face the Jews in the Kitos War. This group included Antoninus Pius, and 155 scenes wrap around a monumental "column" commemorating a conquest by a member of this group. The name for this group was coined by Edward (*) Gibbon, and the last member of this group was succeeded by his son Commodus. For 10 points, name this group of effective emperors of Rome, that included Trajan and Marcus Aurelius.

ANSWER: **Five Good** Emperors <David Dennis>/<ed. JO>

3. This object is depicted in one work above a sailboat with a group of black birds landing on a nearby shore. Another depiction of this location shows a traveler's papers tossed by the wind. The most famous depiction of this object sees it dwarfed by a rising, curling indigo-and-Prussian blue item to its left about to crash, and that print was included in a series of (*) *Thirty-Six Views of* [this location]. For 10 points, name this mountain, seen in works of Okuhara, Kataoka and Katsushika Hokusai [*"HO-coo-Sigh"*], including *The Great Wave off Kanagawa*.

ANSWER: Mt. **Fuji** [or *Thirty-Six Views of Mt. Fuji*] <David Dennis>/<ed. CW>

4. **The Wali Songo are nine saint-like people who are revered by a religious group in this country. The term “theatre state” was used to describe the negara government of a place in this country. An essay about this country uses “thick description” when describing how people disperse from a police raid. Members of a religion in this country were compared to their Moroccan counterparts in (*) *Islam Observed*. This country is the subject of an essay, where Clifford Geertz observed “deep play” at a cockfight in Bali. For 10 points, name this country, the subject of Clifford Geertz’s *The Religion of Java*.**

ANSWER: Indonesia [or the Republic of Indonesia; or Republik Indonesia] <Jacob O’Rourke>

5. **This author’s fifteen-minute play *A Piece of Monologue* focuses on an old man speaking about death, and another of his plays sees the title character repeat the word “spool” while reflecting on his youth. In a play by this author, an old couple named Nagg and Nell live in ash bins, and the servant (*) Clov takes orders from their son Hamm. This author of *Krapp’s Last Tape* and *Endgame* wrote about Vladimir and Estragon contemplating the hanging of themselves, as they perform the title action. For 10 points, name this absurdist playwright of *Waiting for Godot*.**

ANSWER: Samuel Beckett [or Samuel Barclay Beckett] <Carrie Derner>/<ed. ME>

6. **One member of this organization read a letter quoting Judge Alice Batchelder’s decision in the case *Russell v. Lundergan-Grimes* at its first meeting. Comments this organization received via email were controversially released with the commenters’ names and phone numbers still intact. The acting chair of this organization had to turn down his own request, due to (*) Kansas state law. For 10 points, name this Kris Kobach-led panel, that will submit a report on practices that enhance the American people’s confidence in the process they use to select officials.**

ANSWER: Presidential Advisory Commission on Election Integrity [or PACEI or the Trump Voter Commission; or word forms for Commission] <David Dennis>

7. **The Sprague Dawley and Long-Evans types of these organisms were developed from the Wistar variety. Sleep deprivation can be induced in these organisms via the “flowerpot technique.” A barn outside Rockville, MD that housed large groups of these organisms in the late 1950’s was where John B. Calhoun *first* studied the effects of (*) overpopulation. The spatial memory of these organisms is tested in the Morris water maze. Watson’s Little Albert experiments utilized, for 10 points, what rodents who are often subjected to cheese hunting in mazes and are larger than mice?**

ANSWER: (Lab) Rats <David Dennis>/<ed. HB>

8. A leader of this group organized an assassination squad that he nicknamed his “Twelve Apostles,” who assassinated 12 members of the spy ring known as the Cairo Gang. The primary opponents of this group opened fire on civilians attending a football game at Croke Park in a non-Russian Bloody Sunday. This group fought the Black and (*) Tans during a war of independence when they were supported by a political party called “we ourselves,” or Sinn Fein [*Shinn Fayn*]. This group stopped organizing armed struggle after signing Tony Blair’s Good Friday Agreement. For 10 points, name this organization, whose “Provisional” wing fought the British presence in Northern Ireland.

ANSWER: IRA [or Irish Republican Army; or the Provisional Irish Republican Army; or the Provisional IRA; or Oglaigh na nEireann] <David Dennis>/<ed. JO>

9. A thanksgiving hymn to this deity is found in the opening of the Poem of the Righteous Sufferer. This deity is told to “Speak and let [a] constellation vanish! / Speak to it again and let the constellation reappear”. Often represented with mušḫuššu [*“moo-shoo-soo”*], the “snake-dragon,” this deity began to create the universe after grabbing the Tablet of Destiny away from Kingu. This (*) four-eyed, four-eared son of Ea defeated an enemy after catching her in a net and firing an arrow down her throat that split her heart. For 10 points, name this chief Babylonian god who defeated Tiamat [*“TEE-ah-mat”*].

ANSWER: Bel Marduk <David Dennis>/<ed. JO>

10. In the prologue of one work written in this language, the speaker describes an object that moves “men and women to tears.” “The Song of the Reed-Flute” was written in this language, and serves as the prologue for the poetry collection *Spiritual Couplets*. Another poetry collection written in this language describes how “the moving finger writes,” and consists of 51 (*) quatrains. In an Edward Fitzgerald translation of a poetry collection in this language, the speaker wishes for “a jug of wine, a loaf of bread, and Thou beside [him].” For 10 points, name this language used by Omar Khayyam to write the *Rubaiyat*.

ANSWER: Classical Persian [or Farsi] <Tyler Benedict>/<ed. ME>

11. A vice-presidential candidate in this election was an advocate of a movement in Milwaukee, whose nickname was coined by Morris Hillquit. That candidate in this election was Emil Seidel. John Schrank attempted to kill a candidate during this election, but his bullet was slowed by an eyeglass case. With six percent of the vote, this election was the fourth and most successful for (*) socialist Eugene Debs. Incumbent William Howard Taft finished third in this election, behind “Teddy” Roosevelt and the Bull Moose Party. For 10 points, identify this election won by Woodrow Wilson.

ANSWER: United States presidential election of 1912 [accept equivalents] <John John Groger>/<ed. JO> (The movement was called “sewer socialism”)

12. A combination of titanium and organoaluminum catalysts can induce this process in alkenes. The average degree of this process is given by the equation $1 - p$ in the Carothers equation. One of the first synthetic substances formed by this process was created from the condensation of phenol and formaldehyde units and is called (*) bakelite. This process, which is promoted by Ziegler-Natta catalysts, comes in step-growth and chain-growth types. It can produce products such as LDPE and PVC. For 10 points, name this process that involves the combination of repeating units called monomers.

ANSWER: polymerization [or word forms, such as making a polymer] <David Dennis>/<ed. AR>

13. In this work, the section “Cattle” follows a depiction of “Children’s Quarrel after Games.” The melody “G, F, B-flat, C, F, D” is played throughout this work, in which “Two Jews” are represented in “Samuel Goldenberg and Schmuyle” [*Shoe-mile*]. Sections in this piece include a “Ballet of the Unhatched Chicks,” and a movement alternately named for (*) Baba Yaga, “The Hut on Hen’s Legs.” A design for the Bogatyr [*Boh-gah-ter*] Gates in Kiev was part of the display of Viktor Hartmann’s drawings that inspired this piece. For 10 points, name this suite in which a trumpet plays “Promenade,” written by Modest Mussorgsky.

ANSWER: Pictures at an Exhibition: A Remembrance of Viktor Hartmann [or Pictures from an Exhibition, or Kartinki y vystavski] <John John Groger>/<ed. DD>

14. Though it’s not San Francisco, a site in this city that may have been inspired by the Panopticon briefly housed Al Capone. This city’s Elfreth’s Alley is the oldest continuously-inhabited street in the United States. Its Center City district is partially bounded by the (*) Schuylkill [*SKOOL-kill*] River, and it is served by the SEPTA transit system. This city is separated from Camden, New Jersey by the Delaware River, and it contains Eastern State Penitentiary, which was founded by Quakers. For 10 points, name this largest city in Pennsylvania.

ANSWER: Philadelphia <John John Groger>/<ed. DD>

15. This character attributes the unexpected growth of barley to mere luck, and later has a dream in which a man descends in a “great black cloud” and angrily urges him to repent his sins. This character travels with Xury before being rescued by a Portuguese captain. He is based on the real-life Alexander (*) Selkirk, and is shocked to see footprints in the sand, which he initially believes belong to the devil. For 10 points, name this sailor who finds his companion Friday on a deserted island, the title character of a novel by Daniel Defoe.

ANSWER: Robinson Crusoe [or Robinson Crusoe] <Carrie Derner>/<ed. ME>

16. During this war, three whales were torpedoed by the *Brilliant* after being mistaken for submarines. A photograph depicting a marine with a flag attached to his radio titled *The Yomper* was taken during this war, during which Exocet missiles damaged the *Sheffield*. This conflict saw fighting at Goose Green, as well as the *Conqueror's* sinking of the *General Belgrano*. After (*) Port Stanley was captured in this conflict, Leopoldo Galtieri resigned. Margaret Thatcher's popularity increased after her successful handling of this war. For 10 points, name this war over a disputed archipelago in the South Atlantic, which was fought between the United Kingdom and Argentina.

ANSWER: Falklands War [or the Falklands Conflict; or the Falklands Crisis; or the South Atlantic conflict before "South Atlantic" is read] <John John Groger>/<ed. JO>

17. The protagonist of this story whistles as he passes a lightning-struck tulip tree due to its connection with the death of Major Andre. This story's protagonist rides the stubborn old horse *Gunpowder*, lent to him by Hans van Ripper. After the main character of this story disappears, Brom (*) Bones marries the beautiful Katrina van Tassel. A schoolteacher's hat and a smashed pumpkin are found near a bridge at this story's climax. For 10 points, name this short story about Ichabod Crane's encounter with the Headless Horseman, written by Washington Irving.

ANSWER: "The Legend of Sleepy Hollow" <Carrie Derner>/<ed. ME>

18. Elector Maurice of Saxony's victory over Charles V in 1552 temporarily broke up this meeting. The Augsburg Interim established a temporary compromise prior to this meeting's conclusion. This church council affirmed the scriptural authority of the deuterocanonical books. After presiding over this council, Pope (*) Pius IV summarized its teachings in the Tridentine Creed. This council defined seven sacraments, and condemned the Protestant doctrine of "justification by faith alone." For 10 points, name this ecumenical council that started the Counter Reformation.

ANSWER: Council of Trent [or Concilium Tridentinum] <Sophia Johnson>/<ed. AR>

19. Jeffrey Sinclair becomes the Minbari figure Valen after performing this action in *Babylon 5*. Abby Ross writes a novella about a scientist who achieves this feat, in the film *Synchronicity*. Adam Lee is hospitalized as an indirect consequence of this action in *Project Almanac*, and Whis's staff enables a limited form of this action in *Dragon Ball Super*. Barry (*) Allen's performance of this action to save his mother creates "Flashpoint" in *The Flash*. For 10 points, name this feat made possible by Dr. Brown's DeLorean in *Back to the Future*.

Answer: Time travel [or word forms, such as traveling through time; or any specific answers about time travel, such as Barry traveling back to save his mother] <Sophia Johnson>/<ed. SP>/<ed. JO>

20. In the particle-in-a-box model, this quantity is infinity outside of the box, and zero inside the box. Particles penetrate a barrier of this quantity in quantum tunnelling. This quantity denoted by a capital V is subtracted from a counterpart in the expression for the Lagrangian. Kirchhoff's (*) loop rule can be interpreted as a statement of the conservation of this quantity, as voltage equals this quantity per unit charge. This quantity is symbolized as U and is the amount of energy stored in an object. For 10 points, name this type of energy that is often contrasted with kinetic energy.

ANSWER: Potential Energy <David Dennis>/<ed. HB>/<ed. JO>

Bonuses

1. A character in this novel, named Miss Wonderly, is revealed to be Brigid O'Shaughnessy. For 10 points each.

[10] Name this novel about Sam Spade, who attempts to sell a counterfeit statuette of a bird.

ANSWER: The *Maltese Falcon*

[10] Dashiell Hammett, the author of *The Maltese Falcon*, created Sam Spade, who is this type of character. This profession often solves "whodunit" cases.

ANSWER: detectives [or detective fiction; or detective stories]

[10] Hammett had a 30-year affair with this playwright. She wrote about Regina Hubbard's losing the respect of her daughter Alexandra over a cotton mill dispute in *The Little Foxes*.

Answer: Lillian Hellman <Carrie Derner>/<ed. ME>

2. The day before this event, Barry Goldwater, Hugh Scott, and John Jacob Rhodes informed its central figure that he had no support in Congress. For 10 points each:

[10] Name this 1974 event, which took effect on August 9th. This event was precipitated by the release of an incriminating conversation with H.R. Haldeman, the "smoking gun" tape.

ANSWER: Resignation of Richard Nixon [or the Resignation of Richard Milhous Nixon; or equivalent answers, such as Nixon resigning the presidency; prompt on the end of Nixon's second term; prompt on Nixon leaving the presidency; prompt on the Watergate Scandal; do NOT accept or prompt on the "Impeachment of Richard Nixon"]

[10] This man became president following the resignation of Richard Nixon. This president pardoned Nixon, and granted amnesty to Vietnam War draft dodgers.

ANSWER: Gerald Ford [or Gerald Rudolph Ford, Jr.; or Leslie Lynch King, Jr.]

[10] During Ford's presidency, Cambodia seized this U.S. merchant ship. The 41 marines killed during the rescue operation of this ship are the last to appear on the Vietnam Veterans Memorial.

ANSWER: SS Mayaguez [or the Mayaguez Incident] <Cole Phinney>/<ed. JO>

3. Members of this religion serve langar, or free meals, in its Gurdwaras. For 10 points each:

[10] Name this religion founded by Guru Nanak. Many of its male followers do not cut their hair and cover it with turbans.

ANSWER: Sikhism

[10] Many Sikhs display these articles of faith, such as having uncut hair, a wooden comb, a bracelet, a special garment, and a dagger. Those five items are known by this letter.

ANSWER: Five Ks

[10] Guru Gobind Singh appointed this object to be his successor as Sikh guru. This holy text is considered the final and eternal living Sikh guru.

ANSWER: Guru Granth Sahib [or Adi Granth] <Sophia Johnson>/<ed. AR>

4. This channel premiered on August 1, 1981, airing the Buggles' "Video Killed the Radio Star." For 10 points each:

[10] Name this cable channel, that your parents remember used to play music videos, but you know as the place you can watch *Jersey Shore* reruns and *The Real World*.

ANSWER: **MTV**

[10] This singer wrote "I wanna bite the hand that feeds me" in his song "Radio, Radio." With The Attractions, this man played that song on SNL against the wishes of Lorne Michaels.

ANSWER: Elvis **Costello**

[10] This Michael Stipe-led band's single "Radio Song" was the 4th single off their album *Out of Time*, after "Losing My Religion."

ANSWER: **R.E.M** <David Dennis>/<ed. SP>/<ed. JO>

5. The mnemonic device OIL RIG can help to remember which part of these reactions gains and which part loses electrons. For 10 points each:

[10] Name this kind of reaction that involves a transfer of electrons between two species. This reaction powers galvanic cells, and an example is the corrosion of metal.

ANSWER: **oxidation-reduction** reactions [or **redox** reactions]

[10] In this special case of a redox reaction, a single molecule undergoes both oxidation and reduction, yielding two different products.

ANSWER: **disproportionation**

[10] The standard reduction potential is given by the reduction of this gas, which is given a potential of 0 volts. This gas is the lightest diatomic gas.

ANSWER: **hydrogen** gas [or **H2**] <David Dennis>/<ed. AR>

6. Prior to a battle in this city, Captain James Cook charted the St. Lawrence River, allowing Admiral Charles Saunders to give naval support. For 10 points each:

[10] Name this city, where the British commander and the Marquis de Montcalm were killed during the Battle of the Plains of Abraham.

ANSWER: **Quebec** [or **Quebec** City]

[10] This British General, the victor at the Battle of the Plains of Abraham, was killed during the course of battle. He served as Henry Hawley's aide-de-camp during the Jacobite Rebellion.

ANSWER: James **Wolfe**

[10] The Battle of the Plains of Abraham was a part of this war, the American theater of the Seven Years' War. During this war, George Washington lost Fort Mifflin.

ANSWER: **French and Indian** War <Cole Phinney>/<ed. JO>

7. In this opera, the mad scene commences immediately after the offstage murder of Arturo, whom the title character had been forced to marry against her will. For 10 points each:

[10] Name this opera where the title character enters the third act in a blood-soaked gown in the aria *il dolce suono*.

ANSWER: **Lucia di Lammermoor**

[10] This bel-canto Italian composer of *The Daughter of the Regiment* and *Elixir of Love* wrote *Lucia di Lammermoor*.

ANSWER: Gaetano Maria **Donizetti**

[10] A cadenza for Lucia and this instrument, which is commonly inserted into the mad scene, was likely composed by vocal coach Mathilde Marchesi to showcase her student Nellie Melba.

ANSWER: **Flute** <David Dennis>

8. This law imposes a “barrier” that needs to be overcome for nuclear fusion to occur. For 10 points each:

[10] Name this law that gives the force between two point charges as a function of the inverse-square of the distance between the charges.

ANSWER: **Coulomb’s** law

[10] The proportionality constant k in Coulomb’s law is one over four pi times this quantity symbolized *epsilon-naught*.

ANSWER: **permittivity** of free space

[10] This other law states that the electric flux through a surface is equal to the enclosed charge divided by the permittivity of free space

ANSWER: **Gauss’** law <David Dennis>/<ed. HB>

9. This antagonist only appears in the short story “A Scandal in Bohemia.” For 10 points each.

[10] Name this woman, an American opera singer who blackmails the King of Bohemia with an incriminating photograph of the two of them together.

ANSWER: **Irene** Adler [or Irene **Adler**]

[10] Irene Adler outsmarts this detective, who resides at 221B Baker Street. According to his biographer John Watson, Adler was always “*the woman*” for this man.

ANSWER: **Sherlock** Holmes [or Sherlock **Holmes**]

[10] Holmes first appeared in this novel, in which Holmes identifies the word “RACHE” as “revenge” in German. This book has been challenged for its negative portrayal of Mormons.

ANSWER: A **Study in Scarlet** <Tyler Benedict>/<ed. ME>

10. For 10 points each, name the following partner dances.

[10] The Finnish style of this dance is almost always in a minor key. This dance, used in “The Four Horsemen of the Apocalypse” is the national dance of both Uruguay and Argentina.

ANSWER: **Tango**

[10] This other style of dance’s music is in the duple meter, and the dance itself is modeled after Spanish and Portuguese bullfights

ANSWER: **Paso Doble**

[10] The “king” of this style of dance wrote songs for it including the “Emperor” one, as well as “On the Beautiful Blue Danube.” This style of dance’s music is almost always written in $\frac{3}{4}$ time.

ANSWER: **Waltz** <Elise Thierbach>/<ed. DD>

11. For 10 points each, answer these questions about the philosopher G.W F. Hegel:

[10] In Hegel's Science of this field of philosophy, he outlines his views on the study of deductive reasoning, which this field focuses on.

ANSWER: **Logic** [or *Science of Logic*]

[10] Marx devised a materialist form of this method often associated with Hegel. This process involves two opposing theses forming a synthesis.

ANSWER: **Dialectics**

[10] This book, Hegel's magnum opus, was said to be a bildungsroman by Jean Hyppolite. This book also introduces the master-slave dialectic.

ANSWER: **The Phenomenology of Spirit** [or *Phänomenologie des Geistes*; or **The Phenomenology of Mind**] <Sophia Johnson>/<ed. HB>/<ed. JO>

12. Answer the following about things named Barbarossa. For 10 points each:

[10] This nation's attempted invasion of the Soviet Union, which violated the Molotov-Ribbentrop pact, was nicknamed Operation Barbarossa.

ANSWER: **Germany** [or Nazi **Germany**; or **Deutschland**; or Federal Republic of **Germany**; or Bundesrepublik **Deutschland**]

[10] Operation Barbarossa was named after the nickname of this 12th-century Holy Roman Emperor, who was defeated by the Lombard League and drowned during the Third Crusade.

ANSWER: **Frederick I** [prompt on Frederick]

[10] Andrea Doria, an admiral from this maritime rival city of Venice, led the Holy League when it was defeated by Hayreddin Barbarossa at the Battle of Preveza.

ANSWER: **Genoa** [or **Genova**; or **Genua**; or the Republic of **Genoa**; or Repubblica di **Genova**; or Republica de **Zena**] <David Dennis>/<ed. JO>

13. The higher amount of this material in the soil, the longer it will go without breaking in the ribbon test. For 10 points each:

[10] Name this soil type with the smallest particle size. It tends to compact easily, and holds water better than silt or sand.

ANSWER: **clay**

[10] Clay soil can be improved for gardening by working in this material composed of dead, decomposing organic matter. Recycling food scraps and yard waste in heaps is a common method of creating this material.

ANSWER: **compost**

[10] This soil contains clay, silt and sand in roughly equal proportions, making it ideal for agriculture.

ANSWER: **loam** <David Dennis>/<ed. HB>

14. When asked to name the first two apostles, this character responds with “David and Goliath.” For 10 points each.

[10] Name this title character, who witnesses Injun Joe’s murder of Doc Robinson and discovers hidden gold in McDougal’s Cave.

ANSWER: **Tom** Sawyer [or Tom **Sawyer**]

[10] In Twain’s novel *Tom Sawyer Abroad*, Tom, Huck, and Jim travel in a hot air balloon to this continent, where they see the Pyramids and the Sphinx.

ANSWER: **Africa**

[10] In an unfinished novel by Mark Twain, Huck and Tom go on adventures with this character who is called “The Mysterious Stranger.”

ANSWER: **Satan** [or obvious equivalents, such as the **devil**] <William Groger>/<ed. ME>

15. In the background of this painting, a set of rules appears with the artist’s signature next to the date “1632” below a large arch. For 10 points each:

[10] Name this painting which depicts the title physician and seven onlookers in white collars surrounding the supine body of Aris Kindt in this work commissioned by a guild of surgeons.

ANSWER: *The **Anatomy Lesson*** [or *The **Anatomy Lesson** of Dr. Nicolaes Tulp*]

[10] *The Anatomy Lesson of Dr. Nicolaes Tulp* is a painting by this Dutch artist. This artist’s only seascape is *Storm on the Sea of Galilee*.

ANSWER: **Rembrandt** [or Rembrandt Harmenszoon **van Rijn**]

[10] This other Rembrandt group portrait that is named for its dark finish depicts the title militia, as well as a girl with a chicken and a man with a blue and yellow flag.

ANSWER: *The **Night Watch*** [or *The **Shooting Company** of Frans Banning **Cocq**; or **Militia Company** of District II under the Command of Captain Frans Banning **Cocq**] <Tyler Benedict>/<ed. CW>*

16. This figure almost married Baduasemanpensa [“*Ba-dwa-see-man-pen-sa*”] by discovering her secret name, but lost her to Lizard when he could only spell out the name on a drum. For 10 points each:

[10] Name this figure, a West African trickster god who is often depicted as a spider.

ANSWER: **Anansi** [or **Kwaku** Anansi; or **Compe**; or **Kompa Nanzi**; or Aunt **Nancy**; or Sis’ **Nancy**]

[10] *Description acceptable*: Anansi captured Onini the python, and Osebo the leopard, and the Mboro wasps in order to buy these items from the sky-god Nyame.

ANSWER: all the world’s **stories** [or any answer that indicates that Anansi is collecting **stories**]

[10] In another story, Anansi becomes stuck on a Tar Baby, which is why he is often compared to this American trickster. This character appears in a collection of Uncle Remus stories.

ANSWER: Br’er **Rabbit** [or Bruh **Rabbit**; or Brother **Rabbit**; or Compair **Lapin**] <Tyler Benedict>/<ed. JO>

17. This city is one of eight districts within a larger city with a similar name. For 10 points each:
[10] Name this national capital, which was planned by Edwin Lutyens. He designed a “Gate” here, with a similar name to a more notable “Gateway” in the same nation’s largest city.

ANSWER: **New Delhi** [prompt on **Delhi**]

[10] This other city in India contains the Chhatrapati Shivaji Terminus railway station and an airport with the same name. It is the center of the Bollywood film industry.

ANSWER: **Mumbai** [or **Bombay**]

[10] This city, British India’s capital until 1911, was home to a “Black Hole” that held British prisoners of war. The name of a recently canonized saint actually from Albania refers to this city.

ANSWER: **Kolkata** [or **Calcutta**; the saint is St. Teresa of Calcutta] <John John Groger>/<ed. DD>

18. Defects in the function of this organelle can lead to storage diseases, such as Gaucher disease and Niemann-Pick disease. For 10 points each:

[10] Name these acidic, hydrolase-rich organelles found in all mammalian cells except red blood cells. They were first discovered by Christian de Duve.

ANSWER: **lysosomes**

[10] Lysosomes help to break down products taken up by this cellular process. This form of endocytosis happens within the immune system, when its cells engulf microorganisms.

ANSWER: **phagocytosis**

[10] Another way to degrade unwanted material, especially proteins, is by tagging it for degradation by polyubiquitination. Those proteins are then sent to this molecular machine for degradation.

ANSWER: **proteasome** <David Dennis>/<ed. AR>

19. A character in this novel shoots Nikolai’s brother Pavel in the thigh after being caught with Fenichka. For 10 points each.

[10] Name this novel about Arkady Nikolaevich [*“Ar-ka-dy Nick-ol-ay-vitch*] and his nihilist friend Bazarov.

ANSWER: **Fathers and Sons** [or **Fathers and Children**; or **Ottsy i dety**]

[10] This Russian author of *Fathers and Sons* also wrote *A Sportsman’s Sketches* and *The Diary of a Superfluous Man*.

ANSWER: Ivan **Turgenev** [or Ivan Sergeyevich **Turgenev**]

[10] Turgenev lectured on the tension between solipsism and foolish altruism, which are represented by Hamlet and this character. This man from La Mancha is assisted by Sancho Panza.

ANSWER: Don **Quixote** [or Don **Quijote** de la Mancha; or Don **Quixote** of La Mancha; or Alonso **Quijano**; or **Alonso** Quijano] <Carrie Derner>/<ed. ME>

20. James McLaughlin ordered this man's arrest in 1890, after wrongly suspecting that he was a leader of the Ghost Dance movement. For 10 points each:

[10] Name this leader, who participated in Buffalo Bill's Wild West show. This ally of Crazy Horse had a vision of soldiers falling like grasshoppers before a certain battle.

ANSWER: **Sitting Bull** [or **Tatanka Iyotake**]

[10] Sitting Bull's vision came just before his combined 8000 Lakotas and Cheyennes defeated five companies of US soldiers in this battle, otherwise known as "Custer's Last Stand"

ANSWER: Battle of **Little Bighorn**

[10] Fetterman's Last Stand took place earlier in the Sioux Wars, and was ordered by this Oglala chief. His namesake war ended with the 1868 Treaty of Fort Laramie.

ANSWER: **Red Cloud** [or **Mahpiua Luta**] <David Dennis>/<ed. JO>