

WHAQ (Washington High Academic Questionfest) III: Miami Vice
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Packet 6

Tossups

1. **After killing the invisible Garlon, the knight Balyn discovers a weapon of this type, which drips blood from the end. A weapon of this type, which was made from a bone of Coinchenn [*“co-un-hyen”*], is used to kill Ferdiad, ending a three day duel. A jeweled one of these weapons was used by Izanagi and Izanami to create the Islands of Japan. A god stabbed himself with one of these weapons which never misses before (*) hanging himself on Yggdrasil for nine days in order to learn the runes. For 10 points, name this type of weapon possessed by Cu Chulainn [*“kuh koo-lenn”*] and Odin, examples of which include the Gae Bolg and Gungnir.**

ANSWER: **spears** [or **lances**; or **javelins**; or **polearms**; or **naginata**] <Mythology> <William Groger>/<ed. JO>

2. **Proton transport and conductivity between molecules of this compound occur via a chain of broken and reformed bonds in the Grotthuss mechanism. A Piper plot represents this substance by describing the major ions found in it. Oddly, the line of this substance’s phase diagram at the solid/liquid boundary has a (*) negative slope. The specific heat capacity of this substance at room temperature is around 4.2 joules per grams Kelvin. This substance has a bent geometry with two lone pairs. For 10 points, name this chemical substance, known as the universal solvent, with formula H₂O.**

ANSWER: **water** [or **H₂O** before it is read] <Chemistry> <David Dennis>/<ed. AR>

3. **This city won a battle featuring the first historical use of ship-mounted gunpowder weapons, the Battle of Chioggia [*“chee-oh-gee-ah”*]. This city constructed ships like the *galiot* and *galleass* at the first modern ship-building facility, the Arsenal. *Il Milione*, the first detailed record of a European man’s travels in (*) China, was written by a man from this city. A blind leader of this city redirected the Fourth Crusade to sack Constantinople. That man was Enrico Dandolo, who was this city’s doge [*“dohj”*]. This city was the maritime rival of Genoa [*“GEN-oh-ah”*] and was the home of Marco Polo. For 10 points, name this “Most Serene Republic,” an Italian city-state known for its many canals.**

ANSWER: **Venice** [or **Venezio**] <European History> <Ganon Evans>/<ed. JO>

4. **Subject Required.** An instance of this event involves shooting a bell tower in Tobruk, which is one of 7 ways to “**Hunt the Grey Wolf**” in *Sniper Elite 3*. After Martin Heusmann performs this action in a TV series, John Smith rises to his highest position in *The Man in the High Castle*. Shoshanna Dreyfus interrupts a screening of (*) *Nation’s Pride* during one instance of this event. Donny Donowitz and Omar Ulmer utilize two MP40s to perpetrate this action in *Inglorious Bastards*. Tom Cruise’s Claus von Stauffenberg fails to perform this action in *Valkyrie*. For 10 points, name this violent action against the leader of the Nazi party.

ANSWER: **Killing** Adolf **Hitler** [or any answer which indicates **Hitler dying**; or **Hitler** being **assassinated**; prompt on killing or assassination with “killing who?”] <Trash> <Ganon Evans>/<ed. SP>/<ed. JO>

5. In one poem by this author, he denounces “vain, deluding joys” in favor of the “saintly visage” of Melancholy, while in a companion poem he resolves to live with Mirth. One poem by this author urges shepherds to “weep no more” for the drowning of the title character. This author of “**Il Penseroso**” and “**Lycidas**” wrote a blank verse epic whose antagonist claims that it is “**Better to (*)** reign in Hell than serve in Heaven” from his capital of Pandemonium. For 10 points, name this English poet who described Adam and Eve’s expulsion from heaven in *Paradise Lost*.

ANSWER: John **Milton** <British Lit> <Ganon Evans>/<ed. ME>

6. Friedrich Argelander [*“ar-guh-land-er”*] developed a system for naming these objects. The compression of layers of gas in these objects increases their opacity, according to the Eddington Valve mechanism. Henrietta Leavitt studied thousands of these objects in the Magellanic Clouds and derived a (*) period-luminosity relationship for them. These stars, which come in intrinsic and extrinsic types, can be classified into types such as RR Lyrae [*“R R LIE-ray”*], Mira, and Cepheid. For 10 points, name this class of stars whose brightness regularly fluctuates, as seen from Earth.

ANSWER: **variable** stars [prompt on star(s); or **Cepheid** variable stars before “RR Lyrae” is read] <Other Science> <Ryan Hill>/<ed. AR>

7. In one work, this thinker compared Caligula’s view that kings were gods and men were beasts to Grotius’ concept of “right by fact.” In another work, this thinker claimed that humans were originally free, but after establishing private property, the title concept came into being. That work by this thinker also claims that political domination (*) originates in the amour-propre [*“amore pro-per”*]. In addition to *Discourse on Inequality*, this thinker wrote a book that begins “man is born free, yet everywhere he is in chains.” For 10 points, name this Swiss-French author of *Emile* and *The Social Contract*.

ANSWER: Jean-Jacques **Rousseau** <Philosophy> <David Dennis>/<ed. BM>

8. **One character in this novel is asked why he put *anything* in his mouth and responds “because crab apples are better than horse chestnuts.” An IBM machine in this novel promotes a Henry Fonda look-alike, resulting in him being known as (*) Major Major Major Major.** In this novel, Colonel Cathcart continues to raise the number of missions needed to be dismissed. Doc Daneeka explains that the title concept of this novel prevents members of the air force from pleading insanity. For 10 points, name this novel centering on the pilot Yossarian, written by Joseph Heller.

ANSWER: Catch-22 <American Lit> <William Groger>/<ed. ME>

9. **A famous sculpture of a man with a calf wrapped around his neck is from this country. A sculpture from this country that was discovered in the remains of a shipwreck created controversy over its subject, based on an item missing from its right hand. One sculpture from this country was originally believed to be holding a horn, but was later revealed to have been (*) waving.** A sculpture from this country is famously missing both of its arms. This country produced both *The Winged Victory of Samothrace* and *Venus de Milo*. For 10 points, name this country home to the ancient sculptor Praxiteles [“prax-it-ill-eez”].

ANSWER: Greece [or Ancient Greece; or Hellenic Republic; or Hellas] <Visual FA> <Ganon Evans>/<ed. CW>

10. **It’s not Canossa, but a leader legendarily kneeled in the snow to pray at this location. Nathanael Greene was appointed Quartermaster General of the Commissary at this location and helped prevent starvation. Baron von Steuben taught soldiers at this location proper bayonet training and other European drills. This location was first occupied after the British held back (*) Alexander Hamilton’s assault on Philadelphia.** For 10 points, name this Pennsylvania encampment where George Washington’s Continental Army spent the legendarily harsh winter of 1777 to 1778.

ANSWER: Valley Forge, Pennsylvania <American History> <Ganon Evans>/<ed. CW>

11. **This man’s death and physical attributes were described in the most well-known historical work by Bernal Diaz del Castillo. This man was described as an indecisive, vain ruler in primary sources, such as Bernardino de Sahagun’s *Florentine Codex*. Shortly after this man’s death, his people assassinated the rearguard of an invading force in the Night of (*) Sorrows massacre.** This emperor welcomed the forces of a conquistador [“con-kee-stah-door”] after mistaking him for the returning god Quetzalcoatl [“ket-zull-koh-ah-tull”]. For 10 points, name this emperor of the Aztec Empire when it was conquered by Hernan Cortés.

ANSWER: Montezuma II [or Moctezuma II; or Moteuczoma II; or Motecuhzoma II] <Misc. History> <Aleija Rodriguez>/<ed. JO>

12. For a very good conductor, twice the Poynting flux divided by the speed of light gives the radiation form of this property. Venturi meters can measure the rate of flow by lowering this quantity via a constricted section of a pipe. Electric charge from deformation due to this quantity exemplifies a crystal's (*) piezoelectric [*“pie-etz-oh-electric”*] property. According to Pascal's principle, this quantity is always evenly distributed in an incompressible fluid. This quantity can be measured in millimeters of mercury or standard atmospheres. For 10 points, name this quantity defined as force per unit area.

ANSWER: pressure <Physics> <David Dennis>/<ed. AR>

13. This mountain range is crossed by the Frejus Road Tunnel, which is also home to the Modane Particle Physics Lab. This mountain range is home to the Chamonix [*“sha-mo-nee”*] commune and the Brenner Pass goes through this range. The Atlas Mountains are sometimes viewed as an extension of this range, and the city of (*) Innsbruck lies in this range. The Rhone has its headwaters in this range, and Lake Geneva lies on the north of this range. Mont Blanc and the Matterhorn are in, for 10 points, what range which contains much of Switzerland, the highest range in Europe.

ANSWER: The Alps <Geography> <Ganon Evans>/<ed BM>

14. This poet responded to an article entitled “Letter to a Young Contributor” asking if “my Verse is alive” and received encouragement from that article's author, Thomas Wentworth Higginson. This author describes “mourners” that tread “to and fro” in a poem about a funeral and exalts “I'm (*) Nobody! Who are you?” in another poem. This poet, who imagined taking a carriage ride with Immortality and Death, described hope as “the thing with feathers.” For 10 points, name this Belle of Amherst who wrote “Because I Could Not Stop for Death.”

ANSWER: Emily Dickinson [or Emily Elizabeth Dickinson] <American Lit> <Aleija Rodriguez>/<ed. ME>

15. In one song, to portray a character's obsession with the color green, this composer used a constant 16th-note F sharp. In another song, this composer used a running ostinato of left-hand triplets to evoke horses' hooves, and used character-specific ranges to portray four different characters, including a father and son. This composer wrote a piano (*) quintet based on his song *Die Forelle*, and a symphony with only two completed movements. For 10 points, name this early romantic Austrian composer of “Die Schöne Mullerin” [*“Dee Show-nuh Myoo-lurr-in”*], “The Erl-King,” and the *Trout Quintet*.

ANSWER: Franz Schubert <Auditory FA> <David Dennis>

16. Osteo-lathyrism is caused by a defect in the cross-linking of this protein by LOX. “Cigarette paper” scars and hyperflexible joints can indicate defects in this protein shown in Ehlers-Danlos syndrome. The small size of one side chain in the repeating motif of Gly-Pro-X in this protein enables it to fit into the crowded center of its characteristic (*) triple-helical structure. Fibrils of this protein are produced by fibroblasts, and this protein is hydrolyzed to form gelatin. For 10 points, identify this insoluble fibrous protein found in the extracellular matrix and in connective tissue.

ANSWER: collagen <Biology> <David Dennis>/<ed. AR>

17. In one novel by this author, a man insinuates revolution in a song asking “If the hens can overcome the fox, what about human beings?” This author wrote about a Turkish shopkeeper with a cleft-palate, Riad Halabi, and a photojournalist following the guerilla movement, Rolf Carlé, who both look after the eponymous (*) *Eva Luna*. This author wrote about Blanca and Pedro fleeing to Canada in a novel whose title structure is built by Esteban, a member of the Trueba family. For 10 points, name this Chilean author of *The House of the Spirits*.

ANSWER: Isabel Allende [or Isabel Allende Llona] <European/World Lit> <David Dennis>/<ed. ME>

18. In an abhisheka [*“abhi-SHAY-ka”*], milk or honey can be used for this action done on statues of Hindu gods. In Islam, *Ghusl mass al-mayyit* refers to doing this action after touching a dead body. *Misogi* is a Shinto version of this practice that is performed near sacred waterfalls. Some Orthodox Jews always perform this action in a *mikvah*. In the (*) Kumbh Mela, people perform this action in holy rivers such as the the Ganges. For 10 points, name this method of purifying the entire body using water.

ANSWER: ritual bathing [accept equivalents such as “taking a bath,” prompt on purification before it is read; prompt on washing or synonyms] <Religion> <Ganon Evans>/<ed. AR>

19. The title character from this musical comes from the serialized story “The String of Pearls.” Along with a woman in love with him, the title character of this musical engages in a duet where he rhymes “tailor” with “paler,” “butler” with “subtler,” but gets stumped on “locksmith.” That song, “A Little Priest,” is where this musical’s title character and (*) Mrs. Lovett decide to murder his customers so she can bake them into meat pies. For 10 points, name this Stephen Sondheim musical about the title Demon Barber of Fleet Street.

ANSWER: Sweeney Todd: *The Demon Barber of Fleet Street* <Misc. FA> <Sean Phillips>/<ed. DD>

20. According to legend, one ruler of this empire had a star-crossed relationship with the slave-girl Anarkali [*“ah-NAR-kuh-lee”*]; that same ruler of this empire plotted to have Sher Afghan killed in order to take his wife. Mehr-un-Nisa [*“mair oon-nee-sah”*] became known as the “light of the world,” Nur Jahan, after marrying a great-grandson of this empire’s founder. The founder of this empire won the Battle of (*) Panipat. The best-known ruler of this empire established a women’s library at Fatehpur Sikri [*“fah-tay-pur see-kree”*], and another ruler of this empire built a white marble tomb in Agra for his wife Mumtaz, the Taj Mahal. For 10 points, name this empire, rulers of which included Jahangir [*“jah-han-geer”*], Babur, and Akbar.

ANSWER: Mughal Empire [or Mogul Empire] <World History> <Tyler Benedict>/<ed. JO>

Tiebreaker. **This region is home to the Hindu holy site of Lake Man-a-sar-o-var, which is fed by a river originating from this region's Mount Kailash. This region is home to the world's deepest canyon, which is carved out by the Yarlung Tsangpo River. The Kunlun Mountains border this region to the north, and the southwest of this region is the origin of the (*) Indus river.** This region's capital is home to the Potala Palace and Jokhang Temple. For 10 points, name this "autonomous region" of China, the home of a namesake form of Buddhism and formerly ruled from Lhasa [*lah-sah*] by the Dalai Llama.

ANSWER: **Tibet** [or **Tibetan** Plateau; or **Qinghai-Tibet** Plateau; or **Qing-Zang** Plateau; prompt on "People's Republic of **China**;" prompt on **Himalayan** Mountains or **Himlayas**] <Geography> <Tyler Benedict>/<ed BM>

Bonuses

1. Early examples of these people include Gorgias and Protagoras. For 10 points each:

[10] Name these itinerant professional teachers who frequented many Greek cities in the fifth century B.C.E. In return for a fee, they offered young wealthy Greek men an education in *arete* [“aa-reh-tee”].

ANSWER: **sophists**

[10] Isocrates, author of *Against the Sophists*, founded an academy in Cius [“see-uus”] which stressed education in this subject, the general term for the art of persuasion through argument.

ANSWER: **rhetoric**

[10] This founder of the Lyceum and inspiration for the Peripatetics took the invitation of Philip of Macedon to become the tutor of Philip’s son, Alexander the Great.

ANSWER: **Aristotle** [or **Aristoteles**] <Misc. History> <David Dennis>/<ed. JO>

2. The total of the electric flux out of a closed surface is equal to the charge enclosed, divided by this quantity. For 10 points each:

[10] Name this quantity symbolized epsilon-naught. In SI units, this quantity is equal to around 8.85 farads [“fair-adds”] per meter.

ANSWER: **permittivity of free space** [or **vacuum permittivity**]

[10] The permittivity of free space appears in the denominator of the constant k found in this law. This law relates the force between two point charges to the inverse-square of the distance between them.

ANSWER: **Coulomb**’s law

[10] This parameter, also confusingly often denoted k , is the ratio of the capacitance of a capacitor filled with the namesake material to the capacitance of an identical capacitor at epsilon naught.

ANSWER: **dielectric constant** [or **relative permittivity**] <Physics> <David Dennis>/<ed. AR>

3. In one work by this author, Briony Tallis blames the rape of Lola Quincey on Robbie Turner in order to end his romance with her older sister, Cecilia. For 10 points each:

[10] Name this 21st century British author of *Atonement*, who won the 1998 Man Booker prize. He also wrote a novel about a feud between Molly Lane’s former lovers.

ANSWER: Ian **McEwan** [or Ian Russell **McEwan**]

[10] Molly Lane lives in this city that titles that Ian McEwan novel. In another work set in this city, all entries are addressed to “Kitty,” and the narrator lives in the Secret Annex.

ANSWER: **Amsterdam**

[10] This young girl died of typhus after being apprehended, and wrote in her diary about hiding in the Secret Annex during Nazi occupation of the Netherlands.

ANSWER: Anne **Frank** [or Annelies Marie **Frank**] <British Lit> <Ganon Evans>/<ed. ME>

4. The CEO of this corporation, Peter Brabeck-Letmathe, stated that the view that water was a human right was “an extreme solution.” For 10 points each:

[10] Name this Swiss corporation accused of extracting groundwater for its bottled brands at the expense of local communities for its *Pure Life* brand.

ANSWER: **Nestlé** Waters

[10] Nestlé is under fire for requesting to pump 210 million gallons per year, at a total of \$200, from the Muskegon River, while this nearby Michigan city and subject of the book *The Poisoned City* still has a municipal water supply with dangerous quantities of lead.

ANSWER: **Flint**, Michigan

[10] Nestlé is also accused of overdrawing from the “impaired” Strawberry Creek watershed in this state where, to combat drought conditions, private citizens will be limited to 55 gallons per day until 2025.

ANSWER: **California** <Current Events> <David Dennis>

5. In the *Sui Tang Romance*, this figure kills herself after coming home to find her mother has remarried. For 10 points each:

[10] Name this female warrior, who dresses as a man to take the place of her father in the army. In a poetic version of her legend by Guo Maoqian, her story begins with her sitting at her loom.

ANSWER: Hua **Mulan** [or **Hua** Mulan; or **Zhu** Mulan; or **Wei** Mulan; do NOT accept “Fa Mulan,” because that is a Disney character]

[10] The legend of Hua Mulan comes from this country, whose other legends include the archer Hou Yi and the moon goddess Chang'e.

ANSWER: **China** [or **Zhonghua**; or **Chung-hua**; or **Zhungguo**; or **Chung-kuo**; or People's Republic of **China**; or **Zhunghua** Renmin Gongheguo; or **Chung-hua** Jen-min Kung-ho-kuo]

[10] In a Chinese legend titled for the lovers of this insect, Zhu poses as a male student and falls in love with her classmate Liang. Zhuangzi notably did not know if he was a man dreaming of becoming one of these insects, or this insect was dreaming of becoming him.

ANSWER: **butterfly** <Mythology> <Tyler Benedict>/<ed BM

6. This figure was originally named Hadassah at birth, which means “myrtle” in Hebrew. For 10 points each:

[10] Name this wife of Ahasuerus [“*a-HA-sue-rus*”], who appears in a namesake book. The tomb of this woman and her cousin is believed to be located in Hamadan, Iran.

ANSWER: **Esther**

[10] The story of Esther forms the basis for this holiday that occurs on the 14th of Adar. On this holiday, Ashkenazi Jews eat triangular poppy seed filled pastries, and an effigy of Haman is sometimes burned.

ANSWER: **Purim**

[10] During the reading of the megillah on Purim, these wooden noisemakers are used to drown out the name of Haman.

ANSWER: **gragger** [or **grogger**; or **ra'ashan**; prompt on **ratchet**; prompt on **Knorre**] <Religion> <David Dennis>/<ed. AR>

7. This enzyme will not successfully bind to or cleave the target DNA sequence if it is not followed by the appropriate PAM sequence. For 10 points each:

[10] Name this endonuclease. This enzyme is used in CRISPR [“*crisper*”] genome-editing systems in order to cause a double-stranded DNA break.

ANSWER: **Cas9** [accept **CRISPR associated protein 9**]

[10] Cas9 is directed to its target by a section of this single-stranded, uracil-containing genetic material.

ANSWER: **RNA** [or **guide RNA**]

[10] The PAM system required for Cas9 in the bacteria *S. pyogenes* has to contain two copies of this nucleotide. The 5' cap on mRNA consists of a methylated version of this nucleotide.

ANSWER: **guanine** [or **G**] <Biology> <David Dennis>/<ed. AR>

8. Members of this institution from opposing factions included Benjamin Cardozo and Willis Van Devanter. For 10 points each:

[10] Name this institution that included the liberal “Three Musketeers” and conservative “Four Horsemen” for much of the 1930s.

ANSWER: **Supreme Court** of the United States [or **SCOTUS**]

[10] *West Coast Hotel Co. v. Parrish* persuaded this president not to “pack” the Supreme Court. The court had earlier struck down the National Industrial Recovery Act, part of his New Deal legislation.

ANSWER: **Franklin Delano Roosevelt** [or **FDR**; prompt on **Roosevelt**]

[10] In the 1936 *Ashwander* case, the Supreme Court ruled that this New Deal agency was constitutional. That case established the concept of “Constitutional avoidance.”

ANSWER: **Tennessee Valley Authority** <American History> <John John Groger>/<ed. CW>

9. An overlapping, tension-building technique in this imitative compositional procedure is called *stretto*. For 10 points each:

[10] Name this musical form, which is similar to a canon, where a subject is introduced successively in several voices. A “Grosse” one is in Beethoven’s String Quartet No. 13, and J.S. Bach left his *The Art of* these pieces unfinished at his death.

ANSWER: **fugue** [or **fugato**; or Grosse **Fugue**; or The Art of the **Fugue**]

[10] This composer’s fugue written for the first round of the 1826 *Prix de Rome* was rejected, so he submitted entries for four years until he won with his cantata *Sardanapale*. He also wrote the symphony *Harold in Italy*.

ANSWER: Hector **Berlioz** [or Louise-Hector **Berlioz**]

[10] Berlioz chose the fugue to represent his vision of hell, combining one with the *Dies Irae* [“*dee-us ee-ray*”] in *Dream of a Witches’ Sabbath*, the final movement of this “Episode in the Life of an Artist.”

ANSWER: **Symphonie fantastique** <Auditory FA> <John John Groger>/<ed. DD>

10. This character only goes outside at night because he wants his green coat to appear black and believes a girl's name is Ursula after finding a handkerchief embroidered with the letter U. For 10 points each:

[10] Name this character who disgraces his aristocratic grandfather, Monsieur Gillenormand [*“jeel-nor-mohn”*], by joining France's June Rebellion.

ANSWER: **Marius Pontmercy** [*“pohn-mare-see”*] [or Marius **Pontmercy**]

[10] Marius marries Cosette, the adopted daughter of the protagonist, after the protagonist of this novel was arrested for stealing a loaf of bread.

ANSWER: *Les **Miserables*** [or *The **Miserable Ones***; or *The **Miserables***; or *The **Wretched***; or *The **Poor Ones***; do NOT accept or prompt on “Les Mis,” since that almost always refers to the musical and not the novel]

[10] *Les Miserables* is by this author, who wrote about Quasimodo in *The Hunchback of Notre Dame*.

ANSWER: Victor Hugo [or Victor Marie **Hugo**] <European/World Lit> <Carrie Derner>/<ed. ME>

11. This element and many of its alloys expand slightly when they solidify, a valued property when used in soldering. For 10 points each:

[10] Name this element, the most naturally diamagnetic element. Its lab-grown pure form makes iridescent hopper crystals as it cools.

ANSWER: **bismuth** [or **Bi**]

[10] Bismuth impurities are removed from this element via the Betterton-Kroll process or the Betts process. The most common ore of this element is galena, and its tetra-ethyl form is used as a fuel additive.

ANSWER: **lead** [or **Pb**]

[10] A compound of bismuth and tellurium can be used to create one of these materials. These materials have a small band gap, letting them display properties in between electrical conductors and insulators.

ANSWER: **semiconductors** <Chemistry> <David Dennis>/<ed. AR>

12. An unofficial anthem and sea shanty of the Royal Canadian Navy describes the narrator as “A broken man,” on a pier in this city, “the last of Barrett's Privateers.” For 10 points each:

[10] Name this port city in the Atlantic Region of Canada, across the Bedford Basin from Dartmouth. It is the capital of a province formerly known as the Acadian Peninsula.

ANSWER: **Halifax**

[10] Halifax is the capital of this province, which is separated from New Brunswick by the Bay of Fundy. It is connected to the mainland by the Chignecto Isthmus.

ANSWER: **Nova Scotia**

[10] Along with Ontario and New Brunswick, Nova Scotia joined with this modern day province to form the Canadian Confederation. This province is home to Montreal and a namesake walled city.

ANSWER: **Quebec** <Geography> <Audrey Bush>/<ed BM>

13. Answer the following about the restoration of the Meiji [*“may-jee’s”*] Emperor’s power. For 10 points each:

[10] A rebellion of this warrior class, led by Saigo Takamori, attempted to oppose the Meiji Restoration. These warriors were bound by an honor code known as bu-shi-do.

ANSWER: **samurai** [prompt on **bushi**]

[10] The refusal of the Joseon kingdom on this peninsula to acknowledge Emperor Meiji’s claim to the throne led to the Seikanron [*“say-kan-ron”*] Debate, which considered a Japanese invasion of this peninsula, which is now divided along the 38th parallel.

ANSWER: **Korea** [or **Korean Peninsula**; or North **Korea**; or South **Korea**]

[10] This declaration was issued by the Meiji Emperor after he took the throne. “Evil customs of the past” were done away with after this document was issued, as it paved the way for the westernization of Japan.

ANSWER: **Charter Oath** [or **Gokajo no Goseimon**; or the **Oath in Five Articles**] <World History> <Aleja Rodriguez>/<ed. JO>

14. Elizabeth Loftus and Jim Coan created the “lost in the mall technique” to demonstrate the unreliability of these things. For 10 points each:

[10] Name these things, which can become corrupted in the misinformation effect. The flashbulb type of these things are especially vivid, but are not necessarily more accurate.

ANSWER: **memories** [or **memory**]

[10] This condition occurs when the brain is unable to form new memories and usually results from damage to the hippocampus. It is often compared with a retrograde form of the same condition.

ANSWER: **anterograde amnesia** [prompt on partial answers]

[10] According to George Miller, the capacity of this type of memory is 7 plus or minus 2. According to Baddeley and Hitch, this type of memory operates in a Phonological loop, and it is often contrasted with the long-term form.

ANSWER: **working** memory [or **short-term** memory] <Social Science> <Ganon Evans>/<ed BM>

15. In a novel published in this decade, Amory Blaine concludes, “I know myself, but that is all,” after dropping out of Princeton and being rejected by Rosalind Connage. For 10 points each:

[10] Name this decade, which saw the publication of novels such as *This Side of Paradise* and *The Beautiful and Damned* as well as a novel that begins with the narrator moving to West Egg.

ANSWER: **1920s** [or the “Roaring ‘**20s**”]

[10] In addition to *This Side of Paradise*, this author is best known for writing about the title character’s pursuit of Daisy Buchanan in *The Great Gatsby*.

ANSWER: F. Scott **Fitzgerald** [or Francis Scott Key **Fitzgerald**]

[10] In this story by Fitzgerald, the Washington family owns a prized jewel which they only sell in small pieces at a time to maintain its value. The central object of this story is offered as a bribe to God before it is blown up.

ANSWER: “The **Diamond as Big as the Ritz**” <American Lit> <Carrie Derner>/<ed. ME>

16. Answer the following about the work of Spanish artist Diego Velázquez. For 10 points each:

[10] A red cross was added to Velázquez's self-portrait in this painting after his death. In this most famous painting of Velázquez's, a dwarf and a nun are two attendees of the Infanta Margarita.

ANSWER: Las Meninas [or *The Ladies-in-Waiting*]

[10] Diego Velázquez created a portrait of one holder of this position seated wearing a red robe. That Velázquez painting inspired a Francis Bacon series depicting holders of this position screaming.

ANSWER: Popes [or Pope Innocent X; or supreme pontiff]

[10] Velázquez made heavy use of chiaroscuro [*“kee-ar-oh-skoo-roh”*] in his depiction of this scene.

Francis Bacon painted three elongated figures with their mouths open against an orange background titled for *Three Studies for Figures at the Base of* [this scene].

ANSWER: Crucifixion of Jesus Christ [or *Christ Crucified*; or *Three Studies for Figures at the Base of a Crucifixion*; accept word forms] <Visual FA> <Ganon Evans>/<ed. CW>

17. This character is nearly led astray by the wicked Mr. Worldly Wiseman, who advocates seeking deliverance through the Law rather than through Jesus. For 10 points each:

[10] Name this character who becomes mired in the Slough [*“sloo”*] of Despond.

ANSWER: Christian

[10] Christian is the main character of this allegorical English work published in 1678, subtitled “from This World, to That Which is to Come.”

ANSWER: *The Pilgrim's Progress from This World, to That Which Is to Come*

[10] This author, a Puritan preacher who spent twelve years in jail for refusing to attend an Anglican church, wrote *The Pilgrim's Progress*.

ANSWER: John Bunyan <British Lit> <Tyler Benedict>/<ed. ME>

18. A “war” named for these people was supported by a man famous for his iron prosthetic hand, the mercenary Gotz von Berlichingen [*“behr-lich-ing-en”*]. For 10 points each:

[10] Name this downtrodden social class at the bottom of the feudal social order. This social class rose up in a namesake 1525 “war” while they were led by the theologian Thomas Muntzer.

ANSWER: Peasants [or the German Peasants' War; or Deutsche Bauernkrieg; or serfs]

[10] The Weinsberg Massacre led this man to publish *Against the Murderous, Thieving Hordes of Peasants*. Nine years earlier, he nailed his 95 *Theses* to the Wittenberg church door.

ANSWER: Martin Luther

[10] The Peasants' War was endorsed by this Protestant sect, which converted Munster into “New Jerusalem” for a period. This sect believed that a water-based sacrament shouldn't be practiced on infants.

ANSWER: Anabaptists [do NOT accept or prompt on “Baptists”] <European History> <Ganon Evans>/<ed. JO>

19. Chebyshev's [*“cheb-ee-shev’s”*] Inequality states that the probability that an observation will be more than k of these things from the mean is at most one over k squared. For 10 points each:

[10] Name this measurement of the spread of a data set. It is equal to the square root of the variance.

ANSWER: **standard deviation** [or **sigma**]

[10] According to the empirical rule, in a normal distribution, around 68% of data will be located within this many standard deviations away from the mean.

ANSWER: **one**

[10] According to this theorem, a standardized sequence of n independent and identically distributed variables approaches the standard normal distribution as n gets large.

ANSWER: **central limit** theorem [or **CLT**] <Other Science> <David Dennis>/<ed. AR>

20. This player gave Spike Lee the choke sign while demolishing Lee's favorite team in the 1994 playoffs. For 10 points each:

[10] Name this NBA player, who scored 8 points in 9 seconds in a playoff series against the New York Knicks. This player announced his retirement through his sister, Cheryl, who was a TNT sideline reporter.

ANSWER: Reggie **Miller** [or Reginald Wayne **Miller**]

[10] Reggie Miller played his entire NBA career with this franchise. This NBA team's current stars include Victor Oladipo, and this team plays at Bankers Life Fieldhouse in Indianapolis.

ANSWER: Indiana **Pacers** [or **Indiana** Pacers]

[10] During the 2003-04 regular season, this Pacers player was dealt a suspension of 86 games, the longest non-drug suspension, for punching fans in the stands during the “Malice at the Palace” brawl.

ANSWER: Ron **Artest** [or **Metta World Peace**] <Trash> <Silas Clements>/<ed. SP>/<ed. JO>