2022-23 Solon-Adjacent Novice Set (SANDS)

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Packet 3

1. **This event was initiated with the signal "Tora, Tora, Tora." In retaliation for this event, bombers departing from the *USS Hornet* conducted the Doolittle Raid. The day of this event was called** (*) "a date which will live in infamy" in a speech prior to a war declaration made by Franklin Roosevelt. The United States entered World War II shortly after, for 10 points, what surprise Japanese attack on a Hawaiian naval base?
ANSWER: attack on **Pearl Harbor** [accept **Operation Z**] <American History–Kapadia>

One play by this author ends with the sound of trees being cut down by Lopakhin. For 10 points each:
[M] Name this Russian playwright of *The Cherry Orchard*. This playwright also wrote *Uncle Vanya* and *The Three Sisters*.
ANSWER: Anton **Chekhov**
[H] In this Chekhov play, Konstantin Treplev commits suicide many years after shooting the title bird as a gift for Nina.
ANSWER: The ***Seagull***
[E] Treplev kills the title seagull with one of these weapons. Chekhov claimed that if one of these weapons, which fire bullets, is on stage, it must be fired.
ANSWER: **gun**s [accept Chekhov's **gun** or **rifle**] <European Literature–Ganguli>

2. **These structures typically feature up-stop wheels and magnetic fins to constrain their motion. Types of these structures include "inverted" ones, as well as ones described by the terms "hyper" and "giga." An iconic one of these things known as the Cyclone opened in 1927 at** (*) Coney Island. Fans of these things can ride them at places like Six Flags and Cedar Point. For 10 points, name these high-thrill rides often found at amusement parks.
ANSWER: roller **coaster**s <Other Academic/Miscellaneous–Maiorana>

Camille Saint-Saëns allegedly stormed out of this piece's premiere, but was not actually there. For 10 points each:
[M] Name this ballet with music composed by Igor Stravinsky that caused a riot at its first performance.
ANSWER: The ***Rite of Spring***
[E] The Rite of Spring unusually opens with a high solo for this instrument. This large, double-reed instrument is the lowest-ranged woodwind in a typical orchestra.
ANSWER: **bassoon**
[H] Some of the outrage at the premiere of The Rite of Spring may have been directed at the ballet's choreography, which was created by this Russian ballet dancer.
ANSWER: Vaslav **Nijinsky** <Auditory Fine Arts–Maiorana>

3. **A composer from this country wrote pieces such as "The Thunderer" and "El Capitan." Piano works including "Maple Leaf Rag" and "The Entertainer" were part of this country's genre of** (*) Ragtime music. A composer from this country names a tuba-like instrument intended for use while marching. For 10 points, John Philip Sousa wrote marches such as "The Stars and Stripes Forever" for what country's military?
ANSWER: **United States of America** [or **U.S.** or **U.S.A.** or **America**] <Auditory Fine Arts–Maiorana>

In a "Free State" with this name, the Force Publique terrorized workers extracting rubber. For 10 points each:
[M] Give the name of that colony personally owned by Leopold II. The colony shared this name with two modern-day nations led from Kinshasa and Brazzaville.
ANSWER: **Congo** [accept **Congo** Free State or Republic of the **Congo** or Democratic Republic of the **Congo**]
[H] Leopold II ruled this European country, whose 1830 independence movement was kicked by a performance of the opera *La muette de Portici*.
ANSWER: **Belgium**
[E] The Force Publique cut these body parts off of workers who failed to meet rubber quotas. The workers used these body parts to hold their knives when tapping rubber trees.
ANSWER: **hands** <European History–Kapadia>

4. **In one story by this author, a man tries to convince Jig to get an abortion. This author of "Hills Like White Elephants" also wrote a novel in which the "great DiMaggio" is idolized by a friend of Manolin. This author, who included (*)** Nick Adams in many stories, wrote about Catherine Barkley falling in love with Frederic Henry in another novel. For 10 points, name this author of *A Farewell to Arms* and *The Old Man and the Sea*.
ANSWER: Ernest **Hemingway** <American Literature–Ganguli>

One poem by this author opens with the question "What happens to a dream deferred?" For 10 points each:
[M] Name this poet who claims "my soul has grown deep like the rivers" in "The Negro Speaks of Rivers."
ANSWER: Langston **Hughes**
[E] Hughes belonged to a literary movement named for a "renaissance" of this New York City neighborhood.
ANSWER: **Harlem**
[H] A man drones a "drowsy syncopated tune" in a poem by Hughes titled for the "Weary" form of this kind of music.
ANSWER: **blues** <American Literature–Ganguli>

5. **This scientist's work on stimulated emission led to the development of his A and B coefficients. In this man's namesake field equations, this scientist tried to model a static universe with his cosmological constant. He won the 1921 Nobel prize (*)** in Physics for his work on the photoelectric effect. That work was published in 1905, which is considered this man's "annus mirabilis." For 10 points, name this scientist who formulated the equation $E = mc^2$.
ANSWER: Albert **Einstein** <Physics–Chae>

Description acceptable. The last time this task was achieved in men's singles was by Rod Laver in 1969. For 10 points each:
[H] Name this task which was almost achieved by a Serbian athlete until he lost in the finals of the 2021 U.S. Open to Russian player Daniil Medvedev.
ANSWER: calendar-year **Grand Slam** [accept **Calendar Slam**; accept answers that suggest **winning** all four **majors** *or* **Grand Slams** in a **single-year**]
[E] The U.S. Open and Wimbledon are two of the four Grand Slam events in this racket-and-ball sport played by Roger Federer and Rafael Nadal.
ANSWER: **tennis**
[M] This Serbian athlete almost achieved the calendar-year Grand Slam in 2021, but his bid for the 2022 season was ended when he was deported just before the Australian Open for being unvaccinated.
ANSWER: Novak **Djokovic** [accept **Djoker** or **Nole**] <Popular Culture–Kodali>

6. **While traveling with the charioteer Channa, this figure was shown the "four sights" of an old man, a sick man, a corpse, and a monk. In a sermon at Deer Park, this figure revealed the Four Noble Truths. This former prince, who discovered the (*)** Eightfold Path, meditated under a bodhi tree to attain nirvana. For 10 points, name this enlightened figure, born Siddhartha Gautama, who founded a namesake Asian religion.
ANSWER: Gautama **Buddha** [accept **Siddhartha Gautama** until mentioned; accept either part; accept **Shakyamuni**] <Religion–Ganguli>

These substances can be classified into monoprotic and polyprotic types. For 10 points each:
[E] Name these substances with a low pH value, often contrasted with bases.
ANSWER: **acid**s
[M] This scientist defined acids as electron acceptors. His namesake dot diagrams can help visualize bonding between two atoms.
ANSWER: Gilbert **Lewis**
[H] This acid was created in high concentrations through the Lead chamber process before it was replaced with the contact process. This acid is the only diprotic strong acid, and it often acts as the electrolyte in lead-acid batteries.
ANSWER: **Sulfuric** acid [accept H_2SO_4] <Chemistry–Chae>

7. **A national myth surrounding this leader claims that he is a demigod who was able to drive cars at the age of three. This leader's disappearance in April of 2020 sparkered rumors that he was gravely ill. This leader's country conducted an** (*) ICBM test launch in 2022, its first instance of test launches since a landmark 2018 summit in Singapore between this man and Donald Trump. For 10 points, name this leader of North Korea.
ANSWER: **Kim** Jong-Un <Current Events–Rao>

Julius Caesar used this method of execution to kill a group of pirates that had kidnapped him. For 10 points each:
[E] Name this method used by Pontius Pilate to execute Jesus.
ANSWER: **crucifixion** [or **crucify** or **nailed to cross**]
[H] Crasuss executed this man's followers along the Appian Way. This former gladiator led a major slave revolt against the Roman Republic beginning in 73 BC.
ANSWER: **Spartacus**
[M] Shortly after beginning his revolt, Spartacus and his men set up a position on this volcano, where they used vines to descend on Roman soldiers. The eruption of this volcano destroyed Pompeii in 79 AD.
ANSWER: Mount **Vesuvius** [or **Vesuvio**] <Ancient/Other History–Kapadia>

8. **Flute music plays in the background of this play, which sees the protagonist gift stockings to "the Woman." A fountain pen is stolen by former high school football star Biff in this play, which ends with the protagonist (*)** crashing his car to provide life insurance for his family, the Lomans. For 10 points, the downfall of Willy Loman is the subject of what play by Arthur Miller?
ANSWER: ***Death of a Salesman*** <American Literature–Ganguli>

These weather phenomena typically form over warm water. For 10 points each:
[H] Name these weather phenomena rated from 1 to 5 on the Saffir–Simpson scale. They are classified as a 12 of the Beaufort scale.
ANSWER: **hurricane**s [accept **cyclone**s or **typhoon**s] [prompt **tropical storms**]
[M] This region of a hurricane is characterized by calm weather. It occurs in the center of tropical cyclones such as hurricanes.
ANSWER: the **eye**
[E] The lowest value of this quantity for a hurricane typically occurs in its eye. It is measured with a barometer.
ANSWER: atmospheric **pressure** <Other Science–Chae>

9. **Users of this language can use the command "pip" to install external modules. Instead of curly brackets, this language uses syntactic indentation to distinguish blocks of code. This programming language emphasizes human readability and uses keywords like (*)** "and" and "not" instead of symbols. For 10 points, name this popular programming language named after a British comedy group that shares its name with a type of snake.
ANSWER: **Python** <Other Science–Maiorana>

This city's Pritzker Pavilion was designed by Frank Gehry. For 10 points each:
[E] Name this Midwestern city home to a sculpture known as "the Bean", as well as the Willis Tower.
ANSWER: **Chicago**, Illinois
[H] "The Bean", which is officially titled *Cloud Gate*, was designed by this British-Indian artist, who has received criticism for his exclusive licensing of colors like Vantablack.
ANSWER: Anish **Kapoor**
[M] This sculptor's *Flamingo* is located in Chicago's Federal Plaza and painted in his namesake shade of red. *Flamingo* is a "stabile", unlike this sculptor's "mobiles".
ANSWER: Alexander **Calder** <Other Fine Arts–Maiorana>

10. **In 1877, these people launched the anti-modernist Satsuma Rebellion. In a legendary story, forty-seven leader-less examples of these people, known as *ronin*, avenged their dead master before committing suicide. These people's governing** (*) *Bushido* code draws on elements of Zen Buddhism and Shintoism. Swords like the *wakizashi* and *katana* were wielded by members of, for 10 points, what Japanese warrior class of people?
ANSWER: **samurai** [accept *ronin* before mentioned] <World History–Kapadia>

In a political cartoon one of these institutions led by Nicholas Biddle was depicted as a many-headed monster being slayed by the president. For 10 points each:
[E] In 1833, mistrust of the "Second [one of these institutions] of the United States" led federal money to be deposited in "pet" examples of what financial institutions?
ANSWER: **banks** [accept Second **Bank** of the United States or pet **banks**]
[M] This president, the first one from the Democratic Party, sought to destroy the Second Bank of the United States by vetoing its recharter bill.
ANSWER: Andrew **Jackson**
[H] Earlier in its existence, the Second Bank was taxed by this state. This state was the defendant in the ensuing Supreme Court Case, which ruled that the Elastic Clause grants the government the "implied powers."
ANSWER: **Maryland** [accept *McCulloch v. **Maryland***] <American History–Kapadia>

11. **A quantity denoted capital pi which is equal to MRT times the van't Hoff factor is a colligative property that is the namesake "pressure" of this process. The rate of this process reaches equilibrium in an isotonic solution. The reverse form of this process is often used to** (*) purify salt water for drinking. Cells rely on this process to transport water. For 10 points, name this process in which water diffuses across a semipermeable membrane.
ANSWER: **osmosis** [accept **osmotic** pressure] <Chemistry–Sivaram>

Answer the following questions about protests against the Vietnam War. For 10 points each:
[H] It was observed that students don't "shed their constitutional rights to freedom of speech…at the schoolhouse gate," in this Supreme Court case involving students wearing black armbands to protest the war.
ANSWER: _**Tinker**_ v. Des Moines
[E] A photo taken during an anti-war march on this building shows a protester placing a flower in the barrel of a soldier's gun. Abbie Hoffman failed to levitate this five-sided government building in Arlington, Virginia.
ANSWER: the **Pentagon**
[M] A symbolic form of protesting against the war involved burning these pieces of paper, which are issued to those registered in Selective Service.
ANSWER: **draft cards** <American History–Kapadia>

12. **An artist from this country painted a series of fifty-three "stations" of one of its major roads. A style of woodblock printing from this country is named "pictures of the floating world", or *ukiyo-e*. A series of (*)** thirty-six views of a mountain in this country include one featuring a large cresting wave. For 10 points, name this country where Katsushika Hokusai painted many scenes of Mount Fuji, including *The Great Wave off Kanagawa*.
ANSWER: **Japan** [accept **Nippon**] <Visual Fine Arts–Maiorana>

UNIVAC I, the first early computer to be used for business applications, aided in the completion of the 1950 iteration of this project. For 10 points each:
[M] Name this nationwide survey conducted every 10 years in the U.S. Because of the COVID-19 pandemic, the 2020 iteration of this survey was the first that allowed participants to respond online or by phone.
ANSWER: population **census**
[E] Besides counting the population, the census results are used to reapportion seats in this legislative body that makes up Congress along with the Senate.
ANSWER: **House** of Representatives
[H] The U.S. Census Bureau is under this government department. Gina Raimondo currently leads this department, which split from the Department of Labor in 1913.
ANSWER: Department of **Commerce** <Other Academic/Miscellaneous–Kapadia>

13. **In this body of water, Harra trees are native to mangroves on the island of Qeshm. Oil fields in this body of water were the subject of a 1990s war named after it. One country has built stadiums overlooking this body of water for the 2022 World Cup. This body of water is connected to the Gulf of (*)** Oman by the Strait of Hormuz. Bahrain is completely surrounded by, for 10 points, what gulf named after the ancient name for Iran?
ANSWER: **Persian** Gulf [accept **Persian Gulf** War; prompt on Gulf War] <Geography–Sareddy>

Saprotrophic fungi are an example of this kind of organism. For 10 points each:
[H] Name these types of organisms which absorb nutrients from decaying matter . More common examples of these organisms consist of earthworms which consume detritus.
ANSWER: **decomposers** [accept word forms]
[E] Some xylophagus fungi evolved with the ability to digest lignin found in this material. Termites can digest this material which is found in the bark of trees.
ANSWER: **wood**
[M] Soft-rot fungi secrete an enzyme that can digest this glucose polymer found in plant cell walls.
ANSWER: **cellulose** <Biology–Kodali>

14. **This figure, who was first discovered at the Pirene fountain, created the Hippocrene spring on Mount Helicon. This brother of Chrysaor was stung by a gadfly on the way to Mount Olympus, resulting in the death of his companion. This figure, who carried Zeus' thunderbolts, was born from the (*)** neck of Medusa and helped Bellerophon defeat the Chimera. For 10 points, name this winged horse from Greek mythology.
ANSWER: **Pegasus** <Mythology–Ganguli>

This actress blamed her dog after being accused of defecating in the bed she shared with her former husband. For 10 points each:
[M] Name this actress who repeatedly described her former husband as a "monster" in a defamation case. This actress saw very limited screen time in *Aquaman 2* for reported abuse.
ANSWER: Amber **Heard**
[E] Amber Heard was once the wife of this actor. This actor, who played Jack Sparrow in *The Pirates of the Caribbean* series, won his most recent defamation lawsuit against Amber Heard.
ANSWER: John Christopher "Johnny" **Depp** II
[H] In 2019, Depp sued Heard for defamation for her opinion piece published by this newspaper that is titled "I spoke up against sexual violence - and faced our culture's wrath. That has to change." This newspaper uses the slogan "democracy dies in darkness."
ANSWER: The *Washington Post* <Current Events–Ganguli>

15. **After the Ku Klux Klan murders John Openshaw, this character sends the title "Five Orange Pips" to one character. This character, who faked his death at Reichenbach Falls in "The Final Problem," is outwitted in "A Scandal in Bohemia" by his crush, (*)** Irene Adler. Professor Moriarty is the nemesis of this character, who resides at 221B Baker Street with Dr. Watson. For 10 points, name this detective created by Arthur Conan Doyle.
ANSWER: **Sherlock Holmes** [accept either underlined part] <British Literature–Ganguli>

Milo Minderbinder buys the world's supply of Egyptian cotton in this novel. For 10 points each:
[M] Name this novel by Joseph Heller whose title is a paradoxical rule.
ANSWER: *Catch-22*
[H] *Catch-22* focuses on this bombardier's desire to leave the military. This protagonist of *Catch-22* is inspired by his tentmate Orr's escape to Sweden.
ANSWER: John **Yossarian** [or **John**]
[E] In *Catch-22*, Yossarian questions whether this figure is all-powerful and all-good. This figure is the father of Jesus.
ANSWER: **God** <American Literature–Ganguli>

16. **Establishments that violated this policy were vandalized by the hatchet-wielding Carrie Nation. This policy was enforced by the Volstead Act, and it was later repealed by the 21st Amendment. Supporters of this policy were known as (*)** "drys" while those who opposed it were known as "wets." Groups like the Anti-Saloon League pushed for, for 10 points, what policy banning alcohol in the United States?
ANSWER: **Prohibition** [or **temperance**; accept **alcohol ban** until mentioned] <American History–Kapadia>

One thinker argued that social harmony arises when behavior matches what is entailed by these words, a concept called the "rectification of [these words]. For 10 points each:
[E] What words are used to identify people? In China, the most common "family" type of these words is Wang.
ANSWER: **name** [or last **name** or sur**name** or first **name**; prompt on title]
[H] The rectification of the names was promoted by this ancient Chinese philosopher, whose sayings are compiled in the *Analects*.
ANSWER: **Confucius** [or **Kong** Fuzi or Master **Kong**]
[M] Confucius argued that one should respect these people, a virtue called filial piety. Examples of filial piety include bringing honor to these people and taking care of them in their later years.
ANSWER: **parents** [or **elders** or **ancestors** or **older** people; prompt on family] <Philosophy–Kapadia>

17. **A ghostly Red Skull presides over one of these items, which must be obtained by sacrifice on Vomir. The Eye of Agamotto houses a green one of these items wielded by Stephen Strange. Possessing all 6 of these items allows one character to destroy half of all life with the** (*) snap of his fingers. Thanos sought to control aspects of the universe like space, time, and reality with, for 10 points, what colorful gems from the Marvel Cinematic Universe?
ANSWER: **Infinity Stones** [accept **Soul Stone** or **Time Stone** before mentioned; prompt on stones] <Popular Culture–Kapadia>

The Saraiva-Cotegipe Law and the Rio Branco Law began this process in one country. For 10 points each:
[M] Name this process completed by the Golden Law in that country. The U.S. completed this process by passing the 13th Amendment. A description is acceptable.
ANSWER: **abolishing slavery** [or **ending slavery**; prompt on abolition with "what was abolished?"]
[E] The Golden Law was passed in this largest South American country, the only one with Portuguese as its official language.
ANSWER: **Brazil**
[H] The Golden Law was passed by a monarch with this name. Two monarchs with this name ruled Brazil immediately after its independence from Portugal.
ANSWER: **Pedro** [accept Dom **Pedro I** or Dom **Pedro II**] <World History–Sareddy>

18. **When one of these animals gets trapped in a Very Big Pit, he is mistaken for a Heffalump. Another of these animals from "darkest Peru" is raised by his Uncle Pastuzo and Aunt Lucy and loves marmalade. In a work by A.A. Milne, (*)** the Hundred Acre Wood is home to a honey-loving one of these animals that is the best friend of Christopher Robin. For 10 points, Winnie-the-Pooh and Paddington are what type of animals?
ANSWER: **bear** <Other Literature–Ganguli>

The Aye-Aye species of this primate is the largest nocturnal primate in the world. For 10 points each:
[H] Name these primates whose most widely recognized species is the "ring-tailed" one. This primate is endemic to an island also home to most species of the baobab tree and the Malagasy people.
ANSWER: **lemur**
[M] Lemurs are endemic to this extremely biodiverse island nation, separated from mainland Africa by the Mozambique Channel.
ANSWER: **Madagascar**
[E] Lemurs are the only primates other than humans to possess blue features in these organs. Lemurs possess large examples of these organs, allowing them to see well at night.
ANSWER: **eyes** <Geography–Kapadia>

19. **A variety of this process that occurs in arid climates is named for acid metabolism in the family Crassulaceae. That version of this process concentrates a certain molecule around the enzyme RuBisCo during the night. Stomata are used to absorb the (*)** carbon dioxide used in this process. Cyanobacteria undergoing this process create much of the earth's oxygen. For 10 points, name this process in which plants use to make sugar from sunlight.
ANSWER**: Photosynthesis** <Biology–Feldman>

In 2012, this particle was found at the Large Hadron Collider. For 10 points each:
[H] Name this particle whose namesake mechanism explains how W and Z bosons acquired mass.
ANSWER: **Higgs Boson**
[M] The Higgs Boson is thought to have a value of 0 for this property. Bosons typically have integer values of this property, an intrinsic form of angular momentum.
ANSWER: **spin**
[E] The Large Hadron Collider is based in Switzerland at this facility. This facility currently hosts 23 member states and is the largest particle physics lab in the world.
ANSWER: **CERN** [accept **European Organization for Nuclear Research**] <Physics–Chae>

20. **This leader persecuted Jews in his country as retribution for the supposed "Doctors' Plot." This leader's forced collectivization policies led to the Holodomor famine in Ukraine. This leader signed a nonaggression pact with (*)** Nazi Germany, which Germany broke when they invaded this leader's country in 1941. For 10 points, name this man who led the Soviet Union during World War II, the successor of Vladimir Lenin.
ANSWER: Joseph **Stalin** [or Ioseb Besarionis dze **Jughashvili**] <European History–Rao>

Izanagi created some of these geographical features by drippin brine off the tip of a jeweled spear. For 10 points each:
[E] Name these geographical features exemplified by Honsu and Hokkaido. 6852 of these geographical features make up the Japanese archipelago.
ANSWER: **island**s
[M] Amaterasu and Susanoo were born from Izanagi's eyes while he performed this general action in a river. Visitors to Shinto shrines use water to perform this purifying action before presenting themselves to *kami*.
ANSWER: **bathing** [or **cleaning** or **washing** or **cleansing**]
[H] When Susanoo once insulted Amaterasu, she hid in one of these locations, plunging the world into darkness. Amalthea raised the infant Zeus in one of these locations on Mount Ida.
ANSWER: **cave** <Mythology–Kapadia>