

2022 ACF Fall

Packet B by CWRU A, Indiana, Virginia A, Waterloo A, VCU A, UNC A, Belmont A

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Tossups

1. In a play by this author, a surveyor realizes that the earth “couldn’t possibly support the weight of a railway engine” after being bribed to reroute the railway around a village. In that play by this author, four women pretend to be the wheels of the car to recall the visit of a foreign photographer. A character created by this author reassures the Praise-Singer by telling the story of the “Not-I” bird. After being shown a stamp machine, this author’s character Sidi chooses to wed the village chieftain Baroka over the teacher Lakunle. This author wrote about Simon Pilkings preventing Elesin from committing ritual suicide. For 10 points, name this Nigerian playwright of *The Lion and the Jewel* and *Death and the King’s Horseman*.

ANSWER: Wole **Soyinka** [or Akinwándé Olúwólé Babátúndé **Sóyínká**]
<World/Other Literature>

2. One of these objects is used to conduct the *hukam*, or “word of God,” to open certain rituals. During *Prakash* and *Sukhasan*, volunteers carry one of these objects in a *palki* while using a *chaur*. Sant Kabir aided in the creation of one of these objects that includes the Japji Sahib. Theravada monks honor three “baskets” of these objects that form the *Tripitaka*. An eternal, living one of these objects is consulted at gurdwaras such as Amritsar’s Golden Temple. That one of these objects, the Adi Granth, serves as the current Sikh guru. For 10 points, what type of religious objects include the Pāli Canon and Buddhist sutras?

ANSWER: holy **texts** [or **scriptures**; or religious **books**; accept **manuscripts**; accept Guru **Granth** Sahib or Adi **Granth** until read; accept Pali **Canon** until read; accept **sutras** until read; prompt on **gurus** until read by asking “that specific guru is what type of object?”]
<Religion>

3. After leaving office, this president was nearly bankrupted after being scammed by Ferdinand Ward. This president is the subject of a 2017 biography by *Hamilton* author Ron Chernow. This president’s secretary of state, Hamilton Fish, negotiated the *Alabama* claims with the U.K. While dying of throat cancer, this president saved his finances by having his memoirs published by Mark Twain. Since 1914, this president’s face has been on the 50-dollar bill. This president’s secretary Orville Babcock was indicted for informing corrupt, tax-dodging distilleries. A loss to James Garfield at the 1880 RNC prevented this president from seeking a third term. For 10 points, the Whiskey Ring scandal occurred under what president, who earlier accepted Robert E. Lee’s surrender?

ANSWER: Ulysses S. **Grant** [or Hiram Ulysses **Grant**]
<American History>

4. An oversized subject with this name is draped with a blood-streaked arm in a wooden sculpture named for Röttgen. In a late self-portrait, two figures with this name crouch beside Michelangelo as a hooded Nicodemus. Conflated depictions of an Egyptian saint with this name influenced a “Penitent” wooden sculpture by Donatello. Byzantine mosaics influenced enthroned depictions of a subject with this name called Maestàs (“mai-ess-TAHs”). Clouds raise a figure with this name towards a golden sky in Titian’s *Frari Assumption*. A subject with this name holds an emaciated corpse in her lap in Michelangelo’s *Pietà*. For 10 points, a mother with what name appears in paintings of the virginal Madonna?

ANSWER: **Mary** [accept the Virgin **Mary**; accept **Mary** Magdalene; accept **Mary** of Egypt; accept **Madonna** until read; prompt on Penitent **Magdalene**]
<Painting/Sculpture>

5. The Rai dynasty established a kingdom on the southern part of this river and controlled the city of Debal in its delta. A civilization based on this river left early remains of domesticated chickens at Lothal and built the first advanced sewage and drainage systems. Alexander the Great's conquests to the east were bounded by this major river's valley, and his last battle was at its Hydaspes tributary. Mortimer Wheeler excavated the "Great Bath" at a 2500 BCE site in this river's valley that also yielded a "Dancing Girl" figurine. For 10 points, the Harappan civilization built Mohenjo-Daro on what South Asian river in modern Pakistan?

ANSWER: **Indus** River [or **Sindhu** River; or **Mehran** River; accept **Hydaspes** River or **Jhelum** River or **Vitāstā** River until "Hydaspes" is read]

<Other History>

6. In this ballet, a scene of women leaning their hands awkwardly against their heads prompted the criticism "call a dentist!" Nicholas Roerich ("REH-rick") designed long-braided costumes for this ballet to more accurately depict a khorovod. Camille Saint-Saëns said "if that's a bassoon, I'm a baboon" in response to the high solo bassoon that opens this ballet's first act, "Adoration of the Earth." Vaslav Nijinsky choreographed this ballet, which Sergei Diaghilev staged with the Ballet Russe. This ballet ends with a young girl called the "Chosen One" dancing to death. This ballet supposedly sparked a riot at its 1913 Paris premiere. For 10 points, an unorthodox depiction of a pagan ritual sacrifice closes what ballet with music by Igor Stravinsky?

ANSWER: *The **Rite of Spring*** [or *Le **Sacre du Printemps***, or ***Vesna svyashchennaya***]

<Other Fine Arts>

7. It's not IR spectroscopy, but a very-high-resolution type of this technique quantifies cyclotron frequencies using a Fourier ("four-yay") transform. Samples for this technique may be generated by evaporating charged droplets beyond the Rayleigh limit, or by ablating a matrix that contains the analyte using a laser. Samples can be prepared for this technique by ESI ("E-S-I") or MALDI ("MALL-dee"), which are "soft" ionization methods. This technique is performed alongside gas chromatography in the "gold standard" of drug testing. The "time-of-flight" type of this technique measures the deflection of various ions based on size. For 10 points, name this technique that separates molecules by their mass-to-charge ratios.

ANSWER: **mass spectrometry** [or **mass spectroscopy**; accept subtypes such as FTICR **mass spectrometry** or time-of-flight **mass spectrometry**; prompt on **spectrometry** or **spectroscopy**]

<Chemistry>

8. This politician's wife caused the hashtag "Sit Like A Girl" to go viral on Twitter after she received criticism for her pose in a July 2022 *Vogue* cover shoot. This politician asked the audience to "fill the silence with your music" during a surprise video appearance at the 2022 Grammys. This politician awarded medals to a group of men stationed on Snake Island. This politician's party, Servant of the People, shares its name with a TV show he starred on as a fictional president of his country. This president announced "we are still here" in a phone-recorded speech outside of Mariinsky Palace after his country was invaded in February 2022. For 10 points, name this politician who has presided over a war against Russia as president of Ukraine.

ANSWER: Volodymyr **Zelenskyy** [or Volodymyr **Zelensky** or Volodymyr Oleksandrovych **Zelenskyy**]

<Current Events>

9. This novel is dedicated to the “Six Million and more” who may be allegorically represented by the title character. A grandmother in this novel dies after spending her last years pondering color. In this novel, the memory of a character’s past as a member of a chain gang is sealed in the “tobacco tin” of his heart. Another character in this novel attempts to attack Mr. Bobwin with an ice pick after confusing him for a sadistic schoolteacher. Stamp Paid reveals the reason why the town shuns the central family in this novel, causing Paul D. to exclaim that someone’s love is “too thick.” For 10 points, Sethe (“SETH-uh”) kills her daughter to protect her from slave catchers in what novel by Toni Morrison?

ANSWER: **Beloved**

<American Literature>

10. At over 40 meters in length, a member of this phylum’s order Siphonophorae (“sai-FAH-nuh-FOR-ee”) is the longest known animal. Animals in this phylum that cause Irukandji (“eer-oo-KAHN-jee”) syndrome possess twenty ocelli (“oh-CELL-ai”) and four true eyes, and belong to the order Cubozoa. This phylum’s body plan has two layers of epithelium surrounding a layer of non-living mesoglea (“mee-zoh-GL EE-uh”). Members of this phylum have life cycles with medusa and polyp stages. Animals in this phylum possess explosive organelles called nematocysts (“nee-MAT-oh-sists”), which they use to sting prey. For 10 points, name this phylum that contains corals and jellyfish.

ANSWER: **Cnidaria** (“nai-DARE-ee-uh”) [or **cnidarians**]

<Biology>

11. In September 2021, a match between this country and Brazil was stopped after seven minutes due to concerns that players from this country evaded quarantine. A manager from this country, Marcelo Bielsa, previously coached this country’s Newell’s Old Boys and players like Mauricio Pochettino. This country’s team lost on a 113th-minute goal by Mario Götze (“GUT-suh”) in a World Cup after missed shots by players like this country’s Gonzalo Higuain (“ee-gwah-EEN”). In the 1986 World Cup, one of this country’s players scored the “Goal of the Century” against England minutes after illegally scoring a goal thanks to the “hand of God.” For 10 points, name this South American home country of Diego Maradona and Lionel Messi.

ANSWER: **Argentina** [or **Argentine** Republic or República **Argentina**]

<Pop Culture>

12. This figure gave a gold-maned horse to the infant “Mighty” after nearly suffocating under a stone leg. This figure made the tails of salmon slender by catching a shapeshifter hiding in a waterfall. On his third try, this figure’s servant almost outraced thought itself while hosted in a sorcerer’s hall. That servant, Thialfi, traveled with this deity after he sucked the marrow from his goats’ bones. This god received a short-handled weapon from Brokkr and Eitri after golden tresses were made to replace the hair of his wife Sif. The world serpent Jörmungandr (“YOR-mun-gon-durr”) will kill this god at Ragnarök. For 10 points, Mjöltnir (“MYOL-neer”) is the hammer of what Norse god of thunder?

ANSWER: **Thor** [accept **Donar**]

<Mythology>

13. These events can create highly reflective structures known as “debris balls.” A scale to rate these events was modified to account for building construction quality in its so-called “enhanced” version. Formation of these events involves a descending region called the rear flank downdraft and often occurs within a supercell. These events can be detected on radar by the presence of a hook echo. These events are rated from F0 to F5 based on their destructiveness according to the Fujita scale. These events are common in an area of the Midwestern U.S. called their namesake “Alley.” For 10 points, name these high-speed rotating winds that may appear during thunderstorms. ANSWER: **tornadoes** [accept **twisters**; accept **tornado** intensity; accept **Tornado** Alley; prompt on thunderstorms until read; prompt on whirlwinds or mesocyclones or vortex or vortices; prompt on supercells or squalls; prompt on funnel clouds]
<Other Science>

14. This novel’s protagonist is a lover of the “Mediterranean” Roswitha, who is tragically killed by a bomb during the invasion of Normandy. Sometime after that death, the protagonist of this novel has a vision of Jesus that drives him to wander the streets. The protagonist of this novel becomes the leader of the Dusters after they witness him shatter all the windows of a factory. When the father of this novel’s protagonist is captured by Soviet forces, he commits suicide by swallowing his Nazi pin. The death of his parents causes the protagonist of this novel to give up a vow he made on his third birthday to never grow up. For 10 points, Oskar Matzerath obsessively plays the title instrument in what novel by Günter Grass? ANSWER: *The **Tin Drum*** [*Die **Blechtrommel***]
<European Literature>

15. After crossing a river, a side in this conflict unsuccessfully besieged the town of Gandesa (“gahn-DAY-zah”) during its largest battle. Emilio Mola (“MOH-lah”), a general who served in this conflict, died in a plane crash after coining the term “Fifth Column.” During this conflict, Juan Negrín (“nay-GREEN”) disbanded a group of “International Brigades” that included American volunteers who formed the Abraham Lincoln Brigade. During this conflict, the Condor Legion conducted an infamous air raid on the Basque town of Guernica. A faction in this conflict, the “Nationalists,” was led by the founder of the Falange party. For 10 points, name this late 1930s conflict which resulted in Francisco Franco taking power of an Iberian nation. ANSWER: **Spanish Civil** War [or Guerra **Civil Española**]
<European History>

16. A collection by this composer begins with the singer leaving town and wishing his love “Good night.” This composer’s final collection was titled *Swan Song* and includes his “Ständchen” (“STEN-chin”) or “Serenade.” This composer used programmatic piano accompaniment in songs like one in which arpeggios mimic the motion of a spinning wheel and another in which triplet G octaves imitate a horse’s gallop. A father and child are pursued by the title creature in a song by this composer that was inspired by a Goethe (“GER-tuh”) poem. This composer’s “Ellen’s Third Song” is often called his *Ave Maria* for its opening lines. For 10 points, name this Austrian composer of *Lieder* (“LEE-duh”) such as “Gretchen at the Spinning Wheel,” “Der Erlkönig” (“der AIRL-koo-nikh”) and the *Winterreise* (“VIN-tuh-rai-zeh”) cycle. ANSWER: Franz **Schubert** [or Franz Peter **Schubert**]
<Classical Music>

17. The square root of this value times water depth approximates the phase velocity of a shallow-water wave. The square root of mass times this value is proportional to an object's terminal velocity. The product of fluid density, displaced volume, and this value equals the buoyant force on an object according to Archimedes's principle. This value multiplies elevation in the equation for Bernoulli's principle. Mass times this value times height equals an object's gravitational potential energy. This value multiplies mass to give an object's weight. For 10 points, name this value that, on the Earth's surface, equals about 9.8 meters per second squared.

ANSWER: **acceleration** due to **gravity** [or **gravitational acceleration** or **little g** or **lowercase g**; prompt on **acceleration**; prompt on **gravity**; prompt on **g**; reject "big G" or "gravitational constant"]

<Physics>

18. This language was used to write *The Revival of the Religious Sciences*, which includes sections on table manners and "disciplining the soul." Learning is explained as "contact" between the human and active intellects in a commentary written in this language on *De Anima*. Aristotelianism is debated in two works in this language: *The Incoherence of the Philosophers* and its rebuttal *The Incoherence of the Incoherence*. This language was used by Averroes ("uh-VAIR-oh-eez") and other thinkers affiliated with the House of Wisdom. This is the most widely-spoken language in which legal thought is heavily influenced by shari'a. For 10 points, name this language used by scholars in the Islamic Golden Age.

ANSWER: **Arabic** [or al-'**arabiyyah** or '**arabiyy**; accept Classic **Arabic** or al-**fushā** or al-'arabiyyah al-**fushā**]

<Philosophy>

19. These people were the majority of victims in a genocide perpetrated by a leader of the FRG who died on trial in 2013, Efraín Ríos Montt ("ay-frah-EEN REE-oh MOANT"). One of these people named Marcus Canul was killed at the Battle of Orange Walk during the Caste War. These people's plight during a decades-long civil war was documented by Nobel Peace Prize winner Rigoberta Menchú ("ree-goh-BAIR-tuh men-CHOO"). A leader of these people named Pacal the Great ruled Palenque ("PAH-len-kay"), which was abandoned during their supposed 9th-century collapse. These people formed a Mesoamerican civilization centered in the Yucatán ("YOO-kuh-TAHN") Peninsula. For 10 points, name these people who built the city of Chichén Itzá.

ANSWER: **Maya** people [or **Mayans**; accept **Ixil** people; accept **Icaiche** people; accept **K'iche'** people]

<World History>

20. A poem in this form asks "you which beyond that heaven which was most high" to "pour new seas into mine eyes" and begins, "I am a little world made cunningly." Another poem in this form claims that the title entity is not "mighty and dreadful" because it is "slave to Fate, Chance, kings, and desperate men." Poems like "Death be not proud" are part of a set of "holy" poems in this form by John Donne ("dun"). Poems in this form were addressed to characters like the Fair Youth and the Dark Lady, including one that opens by asking "shall I compare thee to a summer's day?" For 10 points, William Shakespeare wrote many poems in what form composed of fourteen lines?

ANSWER: **sonnets** [accept *Holy* **Sonnets**; accept William Shakespeare's **sonnets**]

<British Literature>

Bonuses

1. Victor Gruen designed the first modern enclosed example of these locations, the Southdale Center in the city of Edina (“ee-DAI-nuh”). For 10 points each:

[10h] Name these locations whose precursors, which were known as Arcades, include the Westminster Arcade in Providence, Rhode Island.

ANSWER: shopping **malls** [prompt on shopping centers; prompt on department stores]

[10e] This state contains the Mall of America, a mall large enough to contain an entire Nickelodeon Universe theme park, in Bloomington, which, like Edina, is a suburb of this state’s Twin Cities.

ANSWER: **Minnesota** [or **MN**]

[10m] The largest mall in America that does not contain a Nickelodeon Universe is this state’s King of Prussia Mall. A Welsh settlement inspired the name of this state’s Bryn Mawr College.

ANSWER: **Pennsylvania** [or **PA**]

<Geography>

2. This telescope collects light using 18 hexagonal mirrors made of gold-plated beryllium. For 10 points each:

[10e] Name this space telescope whose “first deep field,” an image revealed in 2022, provided a clearer view of faraway galaxies than its predecessor, Hubble. It is named for a NASA administrator.

ANSWER: James **Webb** Space Telescope [or **JWST**]

[10m] As Webb primarily images this region of the spectrum, it has multiple sunshields and radiators to keep itself at temperatures below 50 kelvin. This region of the spectrum was also imaged by the Spitzer Space Telescope.

ANSWER: **infrared** [or **IR**]

[10h] In September 2022, Webb released its first image of one of these objects. The Kepler Space Telescope discovered over 2,600 of these objects during its 10 years of operation.

ANSWER: **exoplanets** [or **extrasolar planets**; prompt on planets]

<Other Science>

3. In a text by Bahá’u’lláh (“bah-how-LAH”), these places are stages to traverse to reach the heavenly homeland, ending with one named for “true poverty and absolute nothingness.” For 10 points each:

[10h] Seven and four of what places title works in the Baha’i faith? These places include the real-life Gehenna depicted in the Bible.

ANSWER: **valleys** [accept *The Seven Valleys* or *Haft-Vádí*; accept *The Four Valleys* or *Chahár Vádí*; accept **Valley** of Hinnom; prompt on city or cities or seven cities by asking “what else are they called?”]

[10e] The Baha’i Faith’s Universal House of Justice is in this present-day country, which also contains Gehenna and the Church of the Nativity in Bethlehem.

ANSWER: **Israel** [or State of **Israel** or Medīnat **Yisrā’ēl** or Dawlat **’Isrā’īl**; accept **Palestine** or State of **Palestine** or Dawlat **Filastīn**]

[10m] The 23rd chapter of this book of the Old Testament states, “though I walk through the valley of the shadow of death, I will fear no evil.” This book contains the most chapters of any book in the Bible.

ANSWER: **Psalms** [or **Tehillim**; accept **Psalms** 23; accept **Psalter**]

<Religion>

4. Answer the following about building a circuit, for 10 points each.

[10m] Circuits obey this statement, which holds that the sum of all changes in electric potential across a closed circuit path must be equal to zero.

ANSWER: Kirchoff's ("KEER-koff's") **loop rule** [accept **Kirchoff's second rule**; prompt on **Kirchoff's rule**]

[10h] If a circuit is in AC, the root-mean-square current or voltage will equal the maximum current or voltage divided by this number. Either the exact value or an approximation is acceptable.

ANSWER: **square root of 2** [or **root 2**; accept **1.4142...**]

[10e] Overlapping bare wires cause this phenomenon in which current flows through an unintended path. In home appliances, this phenomenon activates a circuit breaker or fuse.

ANSWER: **short** circuit [or word forms like **short** circuiting or **shorting**]

<Physics>

5. In this poem, Bacchus disguises himself as a Moor in order to encourage Muslims to attack the protagonist. For 10 points each:

[10h] Name this epic poem written in ottava rima, which follows the voyages of the "eloquent captain."

ANSWER: *The **Lusiads*** [or *Os **Lusiadas***]

[10e] *The Lusiads* honors Vasco de Gama, an explorer from this country.

ANSWER: **Portugal** [or **Portuguese** Republic or República **Portuguesa**; accept Kingdom of **Portugal** or Reino de **Portugal** or **Portuguese** Empire or Império **Português**]

[10m] In this Portuguese author's novel *The Stone Raft*, the Iberian peninsula breaks off and floats into the Atlantic Ocean. This author also wrote a novel about an epidemic of blindness.

ANSWER: José **Saramago** [or José de Sousa **Saramago**]

<European Literature>

6. This royal house's first king was elected in 1523 as the Kalmar Union dissolved. For 10 points each:

[10h] Name this house whose most prominent member was killed at the Battle of Lützen. A member of this royal family named Christina was known as the "Minerva of the North" for her efforts to attract scholars to its capital.

ANSWER: **Vasa** [or House of **Vasa** or **Vasaätten**]

[10e] The house of Vasa originated in this country, which became the dominant power in the Baltic after the Thirty Years' War. Vasa monarchs ruled this country from its capital of Stockholm.

ANSWER: **Sweden** [or Kingdom of **Sweden** or Konungariket **Sverige** ; accept **Swedish** Empire or **Stormaktstiden**]

[10m] Sweden fought in the Thirty Years' War under this king, who was known as the "Lion of the North." He was succeeded by his daughter Christina after being killed in battle against Albrecht von Wallenstein.

ANSWER: **Gustavus Adolphus** [or **Gustav II** Adolf; prompt on **Gustav**]

<European History>

7. This author created an invented culture whose language denies the existence of nouns in “Tlon, Uqbar, Orbis Tertius” and a text with infinite pages in “The Book of Sand.” For 10 points each:

[10m] Name this author who wrote a story in which Stephen Albert realizes that Ts’ui Pen’s labyrinth is actually an incoherent book before being murdered by the spy Yu Tsun.

ANSWER: Jorge Luis **Borges** (“BOAR-hess”) [or Jorge Francisco Isidoro Luis **Borges** Acevedo; prompt on **Acevedo**] (The unnamed story is “The Garden of Forking Paths.”)

[10e] Borges also explored the idea of infinite texts in a story about one of these places “of Babel.” In that story, a vast one of these places contains books with every possible combination of characters.

ANSWER: **library** [or **biblioteca**; accept “The **Library** of Babel” or “La **biblioteca** de Babel”]

[10h] The narrator of this Borges story reads a Julius Barlach book on the history of the title object. In this story, the narrator slowly goes mad because he can’t stop obsessively thinking about a coin.

ANSWER: “The **Zahir**” [or El **Zahir**]

<World/Other Literature>

8. For 10 points each, answer the following about works that prominently feature the violin’s big brother, the viola.

[10h] Hector Berlioz wrote this symphonic poem for orchestra and solo viola, intending it to be played by Niccolò Paganini. This work, which is based on a poem by Lord Byron, ends with an “Orgy of the Brigands.”

ANSWER: **Harold en Italie** [or **Harold in Italy**; or **Harold en Italie**, *Symphonie en quatre parties avec un alto principal*; or **Harold in Italy**, *Symphony in Four Parts with Viola Obbligato*]

[10m] In this composer’s tone poem *Don Quixote*, the cello represents Don Quixote and the viola represents Sancho Panza. This composer’s “Sunrise” movement plays at the start of *2001: A Space Odyssey*.

ANSWER: **Richard Strauss** [or **Richard Georg Strauss**; prompt on **Strauss**]

[10e] The violist Henri Casadesus secretly wrote viola concertos that he claimed were written by J.C. Bach, C.P.E. Bach, and this composer. This German Baroque composer also wrote *Water Music* for King George II of England.

ANSWER: George Frederick **Handel** [or George Frideric **Handel**; or Georg Friedrich **Händel**]

<Classical Music>

9. This book compares modern bureaucracy to casework that creates a “field of documentation,” through which knowledge can be used to exert power over citizens. For 10 points each:

[10m] Name this book that theorizes that Panoptic surveillance allows for the wide-scale active enforcement of societal norms as opposed to the retroactive legal corrections of the pre-modern era.

ANSWER: **Discipline and Punish**

[10e] *Discipline and Punish* is by this bald French post-structuralist philosopher who also contrasted the state’s right to kill with his concept of biopower in his *History of Sexuality*.

ANSWER: Michel **Foucault**

[10h] Like many of Foucault’s works, *Discipline and Punish* engaged in this methodology that interrogates the origins of a concept. Nietzsche criticized slave morals and the ascetic ideal in a work partially titled for this word.

ANSWER: **genealogy** [accept *On the Genealogy of Morality*]

<Philosophy>

10. Until the 15th century, this island was connected to the Asian mainland by a chain of shoals known as Adam's Bridge. For 10 points each:

[10e] Name this island off the south coast of India. During the 19th and 20th centuries, the British ruled this island from Colombo and called it "Ceylon" ("say-LAHN").

ANSWER: **Sri Lanka** [or Democratic Socialist Republic of **Sri Lanka**; or **Śrī Laṅkā** Prajātāntrika Samājavādī Janarajaya or **Laṅkai** Jaṇanāyaka Sōsalisak Kuṭiyarasu; prompt on **Lanka**]

[10m] Members of this minority ethnic group faced pogroms and political oppression from Sri Lanka's Sinhala majority. A militant group known as the Tigers attempted to establish an "Eelam" for this minority group.

ANSWER: **Tamil** people [or **Tamizh** or **Tamilar** or **Tamilarkal**; accept **Tamil** Tigers or Liberation Tigers of **Tamil** Eelam or **Tamiḻ**la viṭutalaip pulika!]

[10h] Two rulers of this Tamil dynasty, Raja Raja I and Rajendra I ("rahh-JAYN-druh the first"), conquered Sri Lanka around 1000 CE. This dynasty's influence across South Asia was eventually superseded by the Pandya ("POND-yuh") dynasty.

ANSWER: **Chola** dynasty [or **Chola** Empire or **Cōla** Pēraracu]

<World History>

11. Ballerina tutus inspired one of these garments that Edith Head designed for the film *Funny Face*, whose final scene references the couture tradition of ending shows with these garments. For 10 points each:

[10e] Name these garments that Vera Wang has designed for celebrities such as Victoria Beckham. Princess Diana famously wore one of these garments with a 25-foot train to St. Paul's Cathedral in 1981.

ANSWER: **wedding dresses** [or **bridal gowns**; prompt on **dresses** or **gowns**]

[10m] Edith Head's ballerina-inspired wedding dress was worn by this actress, who wore the "lucky dress" to accept an Oscar for her breakout role in *Roman Holiday*.

ANSWER: **Audrey Hepburn** [or Audrey Kathleen **Ruston**; prompt on **Hepburn**; reject "Katharine Hepburn"]

[10h] For her own wedding, Audrey Hepburn wore a pale pink minidress by this designer, who she first collaborated with on the film *Sabrina*. This designer created the "little black dress" worn by Hepburn in *Breakfast at Tiffany's*.

ANSWER: Hubert de **Givenchy** [or Hubert James Marcel Taffin de **Givenchy**]

<Other Fine Arts>

12. A racist name was given to an iron invention by Edmund Smith that attempted to replace foreign workers in this river's salmon canneries. For 10 points each:

[10m] Name this river whose canneries employed immigrants who were excluded from fishing jobs. Washington state's Grand Coulee Dam disrupted this river's salmon industry.

ANSWER: **Columbia** River [or **Nch'i-Wàna** or **Wimahl** or **swah'netk'qhu**]

[10e] Immigrants of this ethnicity, who often posed as "paper" children to secure entry, were limited to select industries like canning. The immigration of people of this ethnicity was limited by several Exclusion acts.

ANSWER: **Chinese**-Americans [or **Zhōngguó rén**; accept more specific answers such as **Hàn** or **Huárén** or **Huáqiáo**; accept **Chinese** Exclusion Act of 1882]

[10h] Wah Lee opened the first of many of these businesses owned by Chinese immigrants. Yick Wo lost a Supreme Court case over an ordinance banning these businesses from operating in wooden buildings without a permit.

ANSWER: **laundry** [or **laundries**; or **washing clothes**; prompt on **washing** or **cleaning**; reject "laundromats"] (The case was *Yick Wo v. Hopkins*.)

<American History>

13. An “international” version of this economic statement predicts exchange rates based on the nominal interest rates of two countries. For 10 points each:

[10h] Name this statement that predicts that the real interest rate will equal the nominal interest rate minus inflation.

ANSWER: **Fisher** effect [accept **Fisher** equation]

[10m] Fisher proposed that this quantity is related to inflation by an equation of exchange. Monetarists argue that inflation is mostly caused by increases in this quantity, the total currency held by the public at a given time.

ANSWER: **money supply** [or **money stock**; prompt on **M0** or **M1** or **M2** or **M3** by asking “that is a way to measure what general quantity?” reject “money” or “supply”]

[10e] The money supply in the United States is controlled by an Open Market Committee housed within this institution, which is currently led by Jerome Powell.

ANSWER: **Federal Reserve** System [accept the **Fed**]

<Social Science>

14. Answer the following about human diseases caused by amoebas (“uh-MEE-buhs”), for 10 points each.

[10e] *Naegleria fowleri* is an amoeba popularly known for “eating” this organ, causing rapid degeneration of its tissues. It enters this organ through holes at the base of the skull.

ANSWER: **brain** [accept **brain**-eating amoeba]

[10h] *Entamoeba histolytica* causes the “amoebic” type of this disease. *Hystolytica* creates perforations in the large intestine in this disease, leading to bloody diarrhea and malnutrition.

ANSWER: **dysentery** [accept amoebic **dysentery**]

[10m] The genus *Acanthamoeba* is known to cause keratitis, or the inflammation of this transparent outer layer of the eye, usually due to improper cleaning of contact lenses.

ANSWER: **cornea**

<Biology>

15. Western art may have influenced the use of black ink coloring in a late series by Hokusai that is punningly named for the wisdom of this activity. For 10 points each:

[10h] Name this activity performed on an outcrop in front of Mount Fuji in Hokusai’s artwork *Kajikazawa in Kai Province*. A man performs this activity at Tsutaya at the bottom of an artwork created using a running chicken.

ANSWER: **fishing** [or catching **fish** or equivalents]

[10m] Hokusai’s *Oceans of Wisdom* and *Thirty-Six Views of Mount Fuji* series were both created using this technique. This technique and scroll painting made up the majority of artworks in the ukiyo-e genre.

ANSWER: wood**block printing** [accept **woodcut prints**; prompt on **printing**; prompt on wood**blocks**]

[10e] Hokusai’s print of the Kai Province uses the later trend aizuri-e, which employs a Prussian dye named for this color. Hokusai used bokashi detailing to create an artwork of a natural phenomenon “off Kanagawa” in white and this color.

ANSWER: **blue** [accept Prussian **blue**] (The artwork is *The Great Wave off Kanagawa*.)

<Painting/Sculpture>

16. This ruler's daughter Enheduanna, who has the distinction of being the first named author in history, wrote religious texts like the "Exaltation of Inanna" while serving as a priestess of Nanna. For 10 points each:

[10h] Name this king who was apocryphally found in a basket in the reeds as an infant. He founded the first multiethnic empire in history in the 24th century BCE.

ANSWER: **Sargon** of Akkad [or **Sargon** the Great]

[10e] Sargon's Akkadian Empire was based in this region in modern-day Iraq. The earliest complex civilization, the Sumerians, developed on the Tigris and Euphrates in this region, whose name means "land between the rivers."

ANSWER: **Mesopotamia** [or **Beth Nahrain** or **Bilād ar-Rāfidayn** or **Bayn ul-Nahravn** or **Ārām-Nahrēn** or **Bē Nahrēn** or **Miyān Rudān**; reject "Babylonia"]

[10m] Sargon II ruled this later multiethnic empire and reconquered Babylonia. Sennacherib, the second Sargonid ruler of this Iron Age Empire, besieged Hezekiah's Jerusalem in a campaign portrayed in the Bible.

ANSWER: **Assyrian** Empire [or Neo-**Assyrian** Empire; or māt **Aššur**; reject "Middle Assyrian Empire" or "Old Assyria"]

<Other History>

17. In the introduction to a poem about this character, the narrator explains that "should you ask me, whence these stories?" that he heard them from "Nawadaha, / The musician, the sweet singer." For 10 points each:

[10h] Name this Ojibwe warrior who experiences many adventures inspired by the *Kalevala* and loses his love Minnehaha ("MIN-ee-HAH-hah") in the midst of a harsh winter.

ANSWER: **Hiawatha** [accept *The Song of Hiawatha*]

[10m] *The Song of Hiawatha* was written by this American author, who began his poem about the Acadian girl Evangeline with the line "this is the forest primeval."

ANSWER: Henry Wadsworth **Longfellow**

[10e] In a Longfellow poem, one of these people sings the Psalms of David at midnight. Solomon Northup wrote a narrative about "Twelve Years" as a member of this class of people.

ANSWER: **enslaved** people [accept "The **Slave** Singing at Midnight"; accept *Twelve Years a Slave*]

<American Literature>

18. Apollo's intervention prevented this fate from befalling his priest Periphas, who was instead turned into another god's eagle. For 10 points each:

[10m] Name this fate suffered by Apollo's son Asclepius after he raised Hippolytus from the dead. A son of Helios named Phaethon died in this manner after accidentally burning the Earth.

ANSWER: struck by **lightning** [or struck by Zeus's **thunderbolt**; or **electrocuted**; prompt on descriptions of **Zeus smiting** them or **Zeus killing** them]

[10h] In retribution for Asclepius' death, Apollo killed several of these figures and was forced to serve the mortal Admetus for a year. One of these figures made a river out of Acis's blood due to his jealousy over Galatea.

ANSWER: **Cyclopes** [or **Cyclops**] (The second clue is a myth from the *Metamorphoses*.)

[10e] While serving Admetus, Apollo helped him win Alcestis's hand in marriage by yoking a lion and boar to one of these vehicles. Phaethon was shot down by Zeus after losing control of one of these vehicles that pulled the sun.

ANSWER: **chariots** [accept **quadrigas**; accept sun **chariot**; accept **charioteer**; prompt on **cart**]

<Mythology>

19. This author created a character who sets sail and leaves home despite his father's entreaty to be satisfied with the "middle station of life." For 10 points each:

[10m] Name this author who was inspired by Alexander Selkirk to write a novel about a man who sells the boy Xury and starts a Brazilian plantation. This author also wrote *A Journal of the Plague Year* and *Moll Flanders*.

ANSWER: Daniel **Defoe** [or Daniel **Foe**]

[10e] In this novel by Daniel Defoe, the title character is shipwrecked on an island for 28 years.

ANSWER: **Robinson Crusoe** [or *The Life and Strange Surprising Adventures of **Robinson Crusoe**, of York, Mariner*]

[10h] Robinson Crusoe is left "thunderstruck" and "as if [he] had seen an apparition" after encountering this feature on a beach. This marking is sometimes attributed to Friday, even though he does not appear until years later.

ANSWER: **footprint** [or a **footprint** in the sand]

<British Literature>

20. This scientist proposed the existence of trans-actinide elements. For 10 points each:

[10h] Name this Swedish-American chemist who holds the record for the most elements co-discovered by one scientist, including element 106 which now bears this chemist's name.

ANSWER: Glenn T. **Seaborg** [or Glenn Theodore **Seaborg**; accept **seaborgium**; prompt on **Sg**]

[10e] Seaborg also co-discovered the 131-isotope of this halogen. This element is the only solid halogen at standard temperature and pressure.

ANSWER: **iodine** [or **I**]

[10m] Seaborg shared the 1951 Nobel Prize in Chemistry with Edwin McMillan for studying this element, whose atomic number is one greater than uranium. This element is extremely rarely found inside natural uranium ores.

ANSWER: **neptunium** [or **Np**]

<Chemistry>