

**2021 ACF Fall**

**Packet B by Duke A, Indiana A, UBC B**

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Tossups

1. This figure defeated an evil six-eared doppelganger after it was trapped under a golden bowl. After spending 47 days locked in a fiery crucible, this figure gained the ability to see evil. This figure was born from a stone egg on the Mountain of Flowers and Fruit. This figure learned 72 Earthly Transformations and possesses a magical size-changing staff. As punishment for rebelling against Heaven, this figure was trapped under a mountain by the Buddha. This figure then gained his freedom by helping the monk Tang Sanzang complete a pilgrimage to retrieve Buddhist sutras. For 10 points, name this Monkey King of Chinese mythology who undertook a Journey to the West.  
ANSWER: Sun Wukong [accept either underlined portion; accept Monkey King before mentioned]

<Mythology>

2. This polity's forces requisitioned sleighs from its citizens to cut off an invading army's escape in the Great Sleigh Drive. A ruler of this kingdom agreed to the Crown Treaty, wherein he was recognized with the title of "King in" this kingdom. A later ruler of this kingdom created the Furstenbund alliance and erected the Sanssouci Palace. That ruler of this kingdom was saved by the Miracle of the House of Brandenburg in the Seven Years' War and also devised the First Partition of Poland. This kingdom earlier captured Silesia from Maria Theresa in the War of the Austrian Succession. For 10 points, name this kingdom ruled by Frederick the Great.

ANSWER: Kingdom of Prussia [or Königreich Preussen; accept Brandenburg-Prussia or Duchy of Prussia; do NOT accept or prompt on "Germany"]

<European History>

3. A poem in this language modelled on a lost poem begins "until now...all my Muse's poetry has been harmless" before it spends hundreds of lines wishing an array of torments on *Ibis*. A poet in this language lamented his erectile dysfunction in a series of elegies about his affair with Corinna. That writer in this language claimed that "a poem and a mistake" caused his exile in his collection *Tristia*. A poet in this language described his girlfriend's red, swollen eyes in a eulogy for her pet sparrow. That poet who used this language wrote a series of erotic poems to a woman named Lesbia. For 10 points, name this language used by poets such as Catullus and Ovid.

ANSWER: Latin

<World/Other Literature>

4. One theorem about this process relies on the assumption that actors are risk neutral and have identical and independently distributed valuations. Paul Milgrom and Robert Wilson developed types of this process to allocate unusual commodities such as radio frequencies, for which they received the 2020 Nobel Prize in Economics. One study found that participating in the English type of this process results in less regret than participating in its Dutch type. Police departments often use a public form of this process to sell unclaimed or seized items. For 10 points, name these events in which bids for items can be sealed or unsealed, and whose second-price type is hosted by eBay.

ANSWER: auction [accept word forms]

<Social Science>

5. An early "doctrine" describing these cells was called reticular theory. Hodgkin and Huxley modeled a mechanism in one of these cells from a giant squid. Santiago Ramón y Cajal drew these cells following their impregnation with potassium dichromate and silver nitrate; that method is the Golgi stain. Glia such as Schwann cells support these cells. Nodes of Ranvier allow for saltatory conduction in these cells because they lack a myelin sheath. These cells depolarize to transmit action potentials. For 10 points, name these cells with axons and dendrites that conduct impulses throughout the body.

ANSWER: **neurons** [accept **nerve** cells]

<Biology>

6. A collection of parties in this country known as the Joint List split apart before one election after parties such as Ra'am left the alliance. This country's military was criticized after a building containing an office for the Associated Press was destroyed in May 2021. This country's Supreme Court ruled that the residents of Sheikh Jarrah had not properly paid rent, opening their land to new settlers. After the 2021 Knesset election in this country, a coalition led by Naftali Bennett and Yair Lapid was made to oust the Likud Party from power. For 10 points, name this country formerly led by Benjamin Netanyahu, currently in a conflict with Palestine.

ANSWER: State of **Israel**

<Current Events>

7. In a story by this writer, an officer cooks the fish of a pair of men he executed for not telling him a password. In another story by this author, a man blows his tobacco smoke into a prostitute's mouth who later murders him with a cheese knife. In a story by this author, Cornudet whistles "La Marseillaise" as a noble shames a prostitute for sleeping with a German soldier. In another story by this author of "Mademoiselle Fifi," Mathilde Loisel spends ten years paying off a debt before learning from Madame Forestier that the title object was a fake. For 10 points, name this French short story author of "Ball of Fat" and "The Necklace."

ANSWER: Guy de **Maupassant** [or Henri René Albert Guy de **Maupassant**]

<European Literature>

*Note to moderator: please check the pronunciation guide for "alkyne" before reading the question. Thanks!*

8. Acetone is produced by reacting this molecule with propylene in the cumene process. This is the simplest non-*alkyne* (like "alpine") molecule that undergoes a reduction in a solution of sodium in liquid ammonia; that reaction is called the Birch reduction. The paint thinner toluene is created by methylation of this compound, whose other derivatives include aniline and phenol. Because this molecule's pi electrons are fully delocalized within its six-carbon ring, it is typically depicted as a hexagon containing a dotted circle. For 10 points, name this simplest aromatic hydrocarbon with chemical formula C<sub>6</sub>H<sub>6</sub>.

ANSWER: **benzene** [prompt on C<sub>6</sub>H<sub>6</sub> before mention]

<Chemistry>

9. John Haven Emerson wrote a monograph on a 1916 outbreak of this disease in New York, which caused the deaths of several thousands. Elizabeth Kenny developed a treatment for this disease using "hot compresses." The March of Dimes organization sponsored the development of a treatment for this disease which was tested on thousands of "pioneers" named for this disease. Patients suffering from this disease were forced to rely on "iron lungs" in order to breathe. Albert Sabin developed an orally-administered version of a vaccine for this disease that improved on the vaccine developed by Jonas Salk. For 10 points, name this paralytic disease that Franklin Roosevelt was diagnosed with.

ANSWER: **poliomyelitis** [or **poliovirus**]

<US History>

10. In the smallest of this artist's paintings, a girl looks down at the bobbins she is holding while seated against a blank wall. This artist included a foot warmer and a tile of Cupid holding a bow in the lower right of a painting with a pitcher being tilted forward. The use of a *camera obscura* by this artist may have led to distortions in works like *The Lacemaker*. In a painting by this artist, a girl wears a yellow and blue headdress while turning to look at the viewer over her left shoulder. For 10 points, name this Dutch artist of *The Milkmaid* and *Girl with a Pearl Earring*.

ANSWER: Jan **Vermeer** [or Johannes **Vermeer**]

<Painting/Sculpture>

11. This architect came out of retirement to design a building inspired by the Ibn Tulun Mosque of Cairo. This architect designed an artificial peninsula to house that building, his Museum of Islamic Art in Doha. Another building designed by this architect features a "glass tent" and sits on the shore of Lake Erie. This architect put a triangular atrium at the center of his design for the East Building of the National Gallery of Art in Washington, DC. This architect's plans for a new entrance to a Parisian art museum included a 70 foot glass structure. For 10 points, name this Chinese-American architect of the Rock and Roll Hall of Fame and the Louvre Pyramid.

ANSWER: I. M. **Pei** [or Ieoh Ming **Pei**]

<Other Fine Arts>

12. In a play by this author, a character that writes *The Revolutionist's Handbook* is captured by brigands led by Mendoza in the Sierra Nevada of South Spain. The title of a play by this author became a common stand-in for the word "bloody" due to a character's exclamation, "Walk? Not bloody likely." The actor who plays Jack Tanner also portrays Juan Tenorio in a scene from one of this author's plays called "Don Juan in Hell." In a play by this author, Colonel Pickering loses a bet to Henry Higgins after the latter transforms the accent and manners of the flower girl Eliza Doolittle. For 10 points, name this playwright of *Man and Superman* and *Pygmalion*.

ANSWER: George Bernard **Shaw**

<British Literature>

13. This civilization was the southern of two regions that were ruled by nomadic Gutians for nearly a century. This civilization's namesake renaissance was spearheaded by the ruler Shulgi. Kings in this civilization were known as *lugals*. This civilization's city of Eridu was built during the Ubaid ("u-bay-id") period. Eridu and Lagash are urban centers described in this civilization's namesake "King List." The Great Ziggurat was constructed by this civilization which was subjugated by Sargon to form the Akkadian empire. Cities like Uruk and Ur were part of, for 10 points, what earliest Mesopotamian civilization that developed cuneiform?

ANSWER: **Sumerians**

<Other History>

14. Max Weber cited the concept of "Beruf" from a work by this man to mean "vocational calling." This man described the Epistle of Saint James as an "epistle of straw" because it contradicted Saint Paul. This man wrote a book for the training of children known as his *Small Catechism*. While hiding out in Wartburg, this man created a vernacular translation of the Bible. Philip Melancthon recorded *The Augsburg Confession* during an imperial diet in which this man stated his beliefs. For 10 points name this German theologian who argued for justification by faith alone and apocryphally nailed his 95 theses to the doors of a church in Wittenberg.

ANSWER: Martin **Luther**

<Religion>

15. In a system with one degree of freedom, this quantity's components are equal to the partial derivative of the Hamiltonian with respect to each generalized coordinate. In the rocket equation, the change in this quantity equals the "effective exhaust" form of this quantity times the natural log of quantity initial mass over final mass. In natural units, the Lorentz factor equals the reciprocal of the square root of one minus this quantity squared. This quantity is proportional to the square root of height for an object in free fall. Centripetal force is proportional to the this quantity squared. Speed is the magnitude of, for 10 points, what directional quantity measured in meters per second?

ANSWER: **velocity** [do not accept or prompt on "speed"]

<Physics>

16. In a band piece by this composer, a bitonal prelude in both E major and F minor precedes a longer scherzo. The original version of that piece by this composer, *Hammersmith*, was rediscovered by his daughter Imogen. This composer wrote the operas *Sita* and *Savitri* during his period of interest in Hindu mysticism. A piece by this composer of two suites for band had a majestic theme adapted into the hymn "I Vow to Thee My Country." This composer's friendship with Clifford Bax inspired an astrological work with movements titled for a Bringer of Jollity and a Bringer of War. For 10 points, name this composer of *The Planets*.

Answer: Gustav **Holst**

<Classical Music>

17. This dynasty was forced to put down Du Wenxiu's "Islamic Kingdom of Yunnan" during the Panthay Rebellion. The Ever Victorious Army helped put down a primarily Hakka rebellion against this dynasty that established a state in Nanjing. A man claiming to be the younger brother of Jesus Christ established the Taiping Heavenly Kingdom during that rebellion in this dynasty. This dynasty faced the anti-Western Boxer Rebellion during the leadership of Dowager Empress Cixi, and had earlier lost the Opium Wars to Britain. For 10 points, name this last imperial Chinese dynasty, whose rulers were ethnically Manchu.

ANSWER: **Qing** dynasty

<World History>

18. Background singers sing "breathe out, breathe out" and "tune in, tune in" in the refrain of this artist's song "Oceanic Feeling." This artist runs around on a beach in a bright yellow skirt in a music video that critics compared to *Midsommar*. She claims "I can't feel a thing; I keep looking at" the title object in her song "Mood Ring." This singer quips "I'm kinda like a prettier Jesus" in the title track of her 2021 album *Solar Power*. This singer complains that "every song's like gold teeth, Grey Goose, trippin' in the bathroom" in a song that begins with the lyric "I've never seen a diamond in the flesh." For 10 points, name this artist from New Zealand who sang "Royals."

ANSWER: **Lorde** [or Ella (Marija Lani) **Yelich-O'Connor**]

<Pop Culture>

19. In one model of these systems, areas with order between four and six have a  $P$  to  $R$  ratio greater than one. Decreases in the channel slopes of these systems can result in them moving by avulsion. These systems' hierarchy and connectivity are described by their Strahler number. If these systems have large coarse loads, they may become braided. Alluvium from these systems is often deposited in the riparian zones that border them. A process of erosion and deposition creates oxbow lakes out of meanders in these systems. Drainage basins are mainly composed of these systems and their tributaries. For 10 points, name these hydrological systems that include the Ganges.

ANSWER: **rivers** [accept **river** continuum concept or braided **river**; prompt on **creeks**]

<Other Science>

20. In one work, this author stated that he has "seen nearly naked a lot of people" he'd "prefer not to see nearly naked" and that he hates a hotel manager he calls "Mr. Dermatitis." This author described an atheist who gets rescued in the Alaskan wilderness by a group of Inuit in a speech that begins with a young fish asking his friend, "What the hell is water?" In a novel by this author, a Québécois group called the Wheelchair Assassins search for a copy of the title film. This author of "A Supposedly Fun Thing I'll Never Do Again" used the Enfield Tennis Academy as part of the setting of a novel about the Incandenza family. For 10 points, name this author of *Infinite Jest*.

ANSWER: David Foster **Wallace**

<US Literature>

## Bonuses

1. In 2014, the Folio Prize was founded as an alternative to a literature prize based in this country with a perceived focus on popular fiction. For 10 points each:

[E] Name this country where the Booker Prize is based. Paul Beatty was the first American to win the Booker Prize since it began accepting all English-language novels in 2014, not just those written in Commonwealth countries.

ANSWER: **United Kingdom** [or **UK**; accept **England**]

[H] After Paul Beatty, this author was the second American to win the Booker Prize for his novel *Lincoln in the Bardo*. Coincidentally, he also won the inaugural Folio prize for his collection *Tenth of December*.

ANSWER: George **Saunders**

[M] Prior to the eligibility change in 2014, this American author's novel *The Lowland* was shortlisted for the Booker Prize since she was born in England. Gogol changes his name to Nikhil Ganguli to better reflect his Bengali heritage in this author's debut novel, *The Namesake*.

ANSWER: Jhumpa **Lahiri** [or Nilanjana Sudeshna **Lahiri**]

<US Literature>

2. This quantity is defined as the work needed to bring a test charge in from infinity. For 10 points each:

[M] Name this quantity that is proportional to distance within a parallel plate capacitor. It has units of joules per Coulomb.

ANSWER: **electric potential** [accept **scalar potential**; prompt on **potential** or **voltage**; do not accept or prompt on "potential energy" or "vector potential"]

[E] Electric potential is constant along the surfaces of these materials. Electrons are allowed to move freely within these materials.

ANSWER: **conductors** [accept **superconductors**]

[H] The Laplacian of the electric potential equals negative one times charge density divided by this constant. This constant has units of farads per meter, and the constant factor found in Coulomb's law equals one over the product of four pi and this constant.

ANSWER: vacuum **permittivity** [or **permittivity** of free space or **epsilon zero** or **epsilon naught**; do not accept or prompt on "epsilon" alone or on "permeability (of free space)"]

<Physics>

3. The original version of this standard appeared as the first track of the album *Takin' Off*. For 10 points each:

[H] Name this track whose 1973 version opens with Bill Summers blowing into beer bottles and appears on an album with "Sly" and "Vein Melter."

ANSWER: "**Watermelon Man**"

[M] "Watermelon Man" was composed by this jazz fusion keyboardist and bandleader on the album *Headhunters*.

ANSWER: Herbie **Hancock**

[E] Hancock played keyboard on the seminal jazz fusion album *Bitches Brew* recorded by this musician. This trumpeter's earlier albums include *Birth of the Cool* and *Kind of Blue*.

ANSWER: Miles **Davis**

<Other Fine Arts>

4. A book on the conquest of this region begins by saying this region is divided into three parts. For 10 points each:  
[M] Name this region, whose conquest included the subjugation of tribes such as the Helvetii and Arverni. This region was divided into administrative entities like its Cisalpine and Transalpine provinces.

ANSWER: **Gaul**

[E] This Roman leader wrote the Commentaries on the Gallic War. After defeating Pompey to become dictator of Rome, this leader was assassinated by rival senators on the Ides of March.

ANSWER: Gaius **Julius Caesar** [prompt on partial answer]

[H] Julius Caesar won this climactic battle of the Gallic Wars by building an encircling wall around the namesake *oppidum*. This battle ended in the surrender of the Gallic leader Vercingetorix.

ANSWER: Battle of **Alesia**

<Other History>

5. This man's *authenticité* campaign resulted in cities such as Stanleyville and Élisabethville being renamed to Kisangani and Lubumbashi. For 10 points each:

[M] Name this dictator who ruled Zaire until being overthrown in 1997. This dictator took power after overthrowing Patrice Lumumba and was notorious for embezzling massive amounts of money from the country during his reign.

ANSWER: **Mobutu** Sese Seko [or Joseph-Désiré **Mobutu**]

[E] Mobutu renamed this country along with the river it is named for to Zaire as part of his *authenticité* reforms.

Mobutu also renamed this country's capital from Léopoldville to Kinshasa.

ANSWER: **Democratic Republic of the Congo**

[H] Mobutu was overthrown and replaced by the head of the rebel AFDL army, who had this surname. After the assassination of that leader by his child bodyguards, he was succeeded by another leader with this surname.

ANSWER: **Kabila** [accept Laurent-Désiré **Kabila**; accept Joseph **Kabila** Kabange]

<World History>

6. The Family and Medical Leave Act was an early legislative victory for this president. For 10 points each:

[E] Name this president whose other domestic policies included the passage of Don't Ask, Don't Tell. This president was later embroiled in a scandal over his affair with White House staffer Monica Lewinsky.

ANSWER: Bill **Clinton** [or William Jefferson **Clinton**]

[H] Clinton also signed into law a 1994 bill named for this man that mandated federal background checks for gun purchases. This White House Press Secretary to Ronald Reagan was wounded during the attempted assassination of Reagan in 1981.

ANSWER: James **Brady** [or James Scott **Brady**]

[M] Clinton faced this separate scandal over improper real estate investments starting in 1994. David Hale allegedly was pressured into making a \$300,000 loan in this scandal that was investigated by Ken Starr.

ANSWER: **Whitewater** scandal

<US History>

7. This philosopher criticized political movements aimed at furthering narrow values such as liberty for reducing humans to animals. For 10 points each:

[H] Name this philosopher who distinguished between delight and pleasure in his *Philosophical Enquiry into the Origin of Our Ideas of the Sublime and Beautiful*.

ANSWER: Edmund **Burke**

[E] Burke's *Enquiry* is central to aesthetics, which studies these things. A Heidegger essay on "The Origin of" these things uses the example of one made by Van Gogh to claim that they should question the meaning of things.

ANSWER: works of **art** [accept equivalents or specific subtypes like **paintings**]

[M] One of these concepts from aesthetics criticizes people who focus on artists' intentions rather than the content of their art in analysis. Other examples of these concepts include begging the question and hasty generalizations.

ANSWER: **fallacies** [accept **intentional fallacy**]

<Philosophy>

8. One being obtains these things by tricking a spirit into getting stuck to a doll, catching a leopard inside a pit, wrapping a python in a vine, and trapping a swarm of bees in a gourd. For 10 points each:

[M] Name these things that a deity receives from the sky god Nyame in return for those four beings and his mother.

ANSWER: **stories** [or **tales** or other equivalents]

[E] That deity was Anansi, who takes the form of this animal. In Hopi mythology, a grandmother who takes the form of one of these animals thought the world into existence while weaving webs.

ANSWER: **spider**

[H] Anansi likely inspired stories of this other animal trickster who was a central figure in the oral folklore of African American slaves. This folk hero may represent slaves who used their wits to overcome slave owners.

ANSWER: **Br'er Rabbit** [accept **Brother Rabbit**; prompt on **rabbit**]

<Mythology>

9. A poem by this author ends with the speaker "lowering" his head and dreaming that he's home. For 10 points each:

[M] Name this author of "Quiet Nights Thoughts." An Ezra Pound translation of a poem by this author opens by describing a time when the speaker's hair "was still cut straight across" his forehead.

ANSWER: **Li Bai** [or **Li Po**; or **Li Bo**; or **Li Taibai**]

[E] The Tang dynasty poet Li Bai supposedly drowned while drunk at night and trying to grab the light of this celestial body reflecting in a river.

ANSWER: the **moon**

[H] Octavio Paz and Eliot Weinberger examined multiple different translations of a poem by this other Tang dynasty poet titled "Deer Park."

ANSWER: **Wang Wei**

<World/Other Literature>

10. Pink flowers with one copy each of a red allele and a white allele are *not* an example of this phenomenon. For 10 points each:

[H] Name this relationship between two alleles in which individuals with both alleles express both traits simultaneously. The blood type AB is one example of this phenomenon.

ANSWER: **codominance** [or **codominant** alleles; do not accept or prompt on "incomplete dominance"]

[M] Diploid organisms whose genotypes contain both possible alleles are referred to with this term. An individual whose genotype has this property may be represented by "uppercase *A*, lowercase *a*."

ANSWER: **heterozygous** [or **heterozygosity**; do not accept or prompt on "homozygous"]

[E] A cross between two homozygous dominant individuals will produce this many heterozygous offspring. A homozygous dominant individual has this many recessive alleles at the locus in question.

ANSWER: **zero** [or **none**]

<Biology>

11. For 10 points each, answer the following about the Fifth Crusade:

[E] The Fifth Crusade was fought against the Ayyubid ("AH-yoob-id") dynasty, which was founded by this sultan who defended Jerusalem during the Third Crusade. This sultan was famous for his rivalry with Richard the Lionheart.

ANSWER: **Saladin** [or Al-Nasir **Salah ad-Din** Yusuf ibn Ayyub]

[M] This kingdom's ruler Andrew II was the nominal leader of the Fifth Crusade. This kingdom's Christianization began under its king Saint Stephen, a member of this kingdom's Árpád Dynasty.

ANSWER: **Hungary** [or Kingdom of **Hungary**]

[H] During the Crusaders' siege of Damietta, Guérin de Montaigu ("gair-AHN de MONT-eh-goo") led this group which had earlier clashed with the Ayyubids at its castle of Krak des Chevaliers ("KRAK de shev-AL-yay"). This group was the target of the failed 1565 Ottoman Siege of Malta.

ANSWER: Knights **Hospitaller** [or Order of **Hospitallers**; or **Order of St. John**; or **Knights of St. John**; prompt on **Knights of Rhodes**]

<European History>

12. Giovanni Battista Sammartini is credited with early developments in this music genre, such as introducing the fast-slow-fast movement form seen in early examples of it. For 10 points each:

[E] Name this genre of music usually written for orchestra and usually featuring four movements. Ludwig van Beethoven wrote nine pieces in this genre, including *Eroica*.

ANSWER: **symphonies**

[H] The four-movement standard for symphonies was developed by Johann Stamitz, an 18th-century conductor and composer from this city. Techniques developed by this city's innovative composition school include a namesake "rocket."

ANSWER: **Mannheim**

[M] Sammartini and Stamitz also codified the first movements of symphonies having this form. Movements in this form consist of an exposition, development, and recapitulation.

ANSWER: **sonata** form [or **sonata**-allegro form]

<Classical Music>

13. Answer the following about host–guest chemistry, for 10 points each:

[E] One of these states exists between the host–guest complex and individual host and guest molecules. In this state, a chemical reaction achieves a balance with no net change in component concentrations.

ANSWER: chemical **equilibrium**

[H] A type of non-covalent interaction described by this word contributes to the formation of host–guest complexes. Very high contact angles are present in materials with the "ultra" form of this property.

ANSWER: **hydrophobicity**

[M] Host–guest dendrimers may rely on hydrophobic interactions to deliver these agents, which are classified as "small molecules" or "biologics." It is desirable for these agents to have high bioavailability.

ANSWER: **drugs** [or **medications** or **medicine** or **pharmaceuticals**]

<Chemistry>

14. This thinker argued that societies' source of cohesion changes from mechanical solidarity to organic solidarity as they advance in *The Division of Labor in Society*. For 10 points each:

[M] Name this thinker who also studied Australian Aboriginal rites in *The Elementary Forms of Religious Life* and concluded that religion is defined by the interrelation of sacred things.

ANSWER: Émile **Durkheim**

[E] This other thinker used the example of a pin factory to illustrate the concept of division of labor in his book *The Wealth of Nations*, which also analogizes the benefits of a capitalist economy to "the invisible hand."

ANSWER: Adam **Smith**

[H] William Petty, who pioneered the study of division of labor in England, was also an early practitioner of this social science. Walter Thompson posited a five stage model of "transition" in this social science.

ANSWER: **demography** [accept **demographic transition** or social **demographic** or social **demographics**; prompt on **surveying** or **census taking**]

<Social Science>

15. In this story, Vera Sappleton suggests that the reason the protagonist quickly bolted out of the front door was because a spaniel came into the house and that he's afraid of dogs. For 10 points each:

[H] Name this story that revolves around Framton Nuttle hearing an account of a group of hunters dying three years ago in a bog right before he sees them casually walk into the house.

ANSWER: "The **Open Window**"

[M] "The Open Window" is a short story by this British author of "The Interlopers" who took his pen name from the *Rubáiyát of Omar Khayyám*.

ANSWER: **Saki** [or Hector Hugh **Munro**]

[E] In a story by Saki, one of these animals named Tobermory is taught to speak English by Cornelius Appin. In *Alice's Adventures in Wonderland*, one of these animals named for Cheshire can disappear and leave its grin.

ANSWER: **cat** [accept **feline** or synonyms]

<British Literature>

16. The "deep" variety of these things is powered by thermohaline circulation. For 10 points each:

[E] Name these directed flows of ocean water. Timothy Folger and Benjamin Franklin charted one of these things called the Gulf Stream.

ANSWER: ocean **currents**

[M] A type of current named for this quantity moves due to its high density relative to the water around it. This quantity, which can be measured with a Secchi disk, describes the cloudiness of water due to suspended solids.

ANSWER: **turbidity** [accept **turbidity** currents]

[H] Turbidity currents cause sediment to accumulate beyond the continental slope into an area given this name. This area is adjacent to the abyssal plain.

ANSWER: continental **rise**

<Other Science>

17. This province's capital city is home to the training academy for the Royal Canadian Mounted Police. For 10 points each:

[M] Name this Canadian prairie province home to cities such as Prince Albert and Moose Jaw. This province shares Reindeer Lake with its eastern neighbor and Lake Athabasca with its western neighbor.

ANSWER: **Saskatchewan**

[E] Saskatchewan is home to a large population of mixed-race Métis, many of whom are fluent in English and this other official language of Canada. This language is most predominantly spoken in the province of Quebec.

ANSWER: **French** [or Canadian **French**]

[H] Saskatchewan and Alberta share the Athabasca Basin, which yields 20% of the world's supply of this resource, which names a city in the north of Saskatchewan. This resource is also a major export of Niger.

ANSWER: **uranium** [accept **uranium** ore]

<Geography>

18. A headless figure in this painting may possibly represent the artist's child Xavier or mistress Leocadia Weiss ("lay-oh-cah-DEE-ah wies"). For 10 points each:

[M] Name this painting that depicts a wide-eyed figure with long silver hair holding a bloodied torso to his mouth.

ANSWER: ***Saturn Devouring his Son*** [or ***Saturno devorando a su hijo***]

[E] *Saturn Devouring his Son* is one of the 14 *Black Paintings* found on the walls of this artist's house, the Quinta del Sordo. This Spanish artist also painted *The Third of May 1808*.

ANSWER: Francisco José de **Goya** y Lucientes

[H] This series of 80 prints by Goya depict the "extravagances and follies common to all societies." They include a depiction of bats, owls, and other creatures around a sleeping man titled *The Sleep of Reason Produces Monsters*.

ANSWER: *Los caprichos* [or *The Caprices*]

<Painting/Sculpture>

19. In a novel centered around these people, the protagonist observes norms he follows, such as spitting fish bones onto a table then wiping them onto the floor rather than spitting them directly onto the floor. For 10 points each:  
[H] Name these people central to a samizdat book published in a magazine whose name translates to "New World." A novel centering around these people ends shortly after Tzesar ("Caesar") gives the protagonist a sack of food to hide in his bed.

ANSWER: **zeks** [or **Gulag prisoners**; accept **Gulag inhabitants** or equivalent descriptions of people who **live** in **Gulags**; prompt on **prisoners** with, "prisoners where?"; prompt on Russian **dissidents**]

[M] Shukhov's experience as a Gulag prisoner is described in this author's novel *One Day in the Life of Ivan Denisovich*. This author drew on his own experiences in a Gulag to write his book *The Gulag Archipelago*.

ANSWER: Aleksandr **Solzhenitsyn** [or Aleksandr Isayevich **Solzhenitsyn**]

[E] In 1970, Solzhenitsyn refused to accept this literary award in person. This annual award is given out by the Swedish Academy to a living author.

ANSWER: **Nobel** Prize in Literature

<European Literature>

20. In Mahayana traditions, these people take a namesake "vow" to devote their existence to helping others achieve *nirvana*. For 10 points each:

[M] Name these people, examples of whom include Manjushri, Dharmakara ("dar-ma-ka-ra"), and Avalokitesvara ("ah-va-lo-key-TESH-va-ra"). In Zen tradition, sixteen precepts named for these people include "I vow not to kill" and "I vow not to slander."

[E] Bodhisattvas ("bo-dee-sawt-vaws") are on the path to becoming one of these figures, who name a major Asian religion. The most famous of these figures, Siddhartha Gautama, became one after being a bodhisattva in his previous lives, or Jatakas.

ANSWER: **Buddha** [accept **Buddhism**]

[H] Avalokitesvara is better known in East Asia as this female figure, the Bodhisattva of Compassion. In *Journey to the West*, this Bodhisattva sends Sun Wukong and his companions on their pilgrimage.

ANSWER: the Bodhisattva **Guanyin** [or **Kannon** or **Guanshiyin** or **Kuan Yin** or **Gun Yam** or **Gwan-eum**; prompt on **mercy goddess** or **goddess of mercy**]

<Religion>