## Regular Academic Fall Tournament III

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## Packet 8

1T. One of these events is celebrated during the Sekaten festival in Indonesia. Another of these events is celebrated with women drawing footprints leading into their kitchen, and is called Krishna Janmashtami. The Guru Nanak's Prakash Utsav celebrates this type of event in Sikhism. Muslims celebrate one of these events on (*) Mawlid. Jehova's Witnesses refrain from celebrating these events due to pagan connotations. Songs commemorating one of these events in Christianity include "Joy to the World" and "Silent Night." For 10 points, name this type of event, whose anniversary for Jesus is celebrated on Christmas.

## ANSWER: birthdays

<Tadigadapa - Religion>

1B. This regime established Democratic Kampuchea after winning a civil war against Lon Nol. For 10 points each:
[M] Name this regime, the subject of the 1984 movie The Killing Fields, starring debut actor Haing S. Ngor.

## ANSWER: Khmer Rouge

[H] The Khmer Rouge converted a high school into this alphanumerically named prison and torture center where over 20,000 people were killed under the supervision of Comrade Duch.

## ANSWER: S-21 [or Security Prison 21 or Tuol Sleng]

[E] Under the leadership of Pol Pot, the Khmer Rouge created the Moha Lout Plaoh, essentially a rip-off of this country's Great Leap Forward, which was instituted by Mao Zedong.
ANSWER: China [or People's Republic of China or PRC or Zhongguo or Zhonghua Renmin Gongheguo; do not accept or prompt on "Republic of China"]
$<$ Gedajlovic - World History>

2 T . Nichrome is combined with a ceramic to create the "metal film" type of these components. The dissipative action of these devices causes loss of energy in an RLC oscillator. Thevenin's theorem states that a "black box" can be simplified into a voltage source and one of these components. Four of these components are connected in a diamond in a (*) Wheatstone bridge. A quantity associated with these components adds directly in series and inversely in parallel. The voltage across one of these components is proportional to the current passing through them. For 10 points, name these circuit components represented with a zig-zag, whose namesake SI unit is measured in Ohms.
ANSWER: $\underline{\text { resistor [accept resistance] }}$
<Ye - Physics>

2B. This scale degree is where the Mixolydian mode begins. For 10 points each:
[M] Name this scale degree, also called the dominant, that is found seven semitones above the tonic. This scale degree is the note C in an F major scale.
ANSWER: five [accept fifth]
[H] Similar to the Mixolydian mode, this mode can begin on the dominant in a minor key. In a major key, this mode begins on the mediant.
ANSWER: Phrygian mode
[E] The fifth scale degree can be used as a root note to form a dominant one of these clusters of notes. Arpeggios are used to break up these sets of pitches, which, in Western music, are typically triads of notes played at the same time.
ANSWER: chords [accept dominant chords]
<Morales - Auditory Fine Arts>

3T. The Azalai is a trade route which was historically used to transport this good. This good was apocryphally so plentiful in the mining and trading center of Taghaza that houses were regularly built with slabs of this good. Ibn Battuta claimed that the inhabitants of one country exchanged this good as money "as one would exchange gold and silver." It's not ivory, but (*) Timbuktu was the southern end of a trade route which transported this edible good. Following the Second Punic War, Scipio Africanus was alleged to have plowed the fields of Carthage with this stuff. For 10 points, name this good which is found in seawater.
ANSWER: salt [accept sodium chloride or $\underline{\mathrm{NaCl}}$ ]
<Rao - World History>

3B. This figure's last trick was an attempt to make mankind immortal which ended in his death after he was crushed by obsidian teeth. For 10 points each:
[M] Name this trickster from Polynesian myth who legendarily pulled up islands with his fish hook.
ANSWER: Maui-tikitiki [or Maui-tikitiki-a-Taranga or Maui-potiki or Maui te whare kino Ti'ti’i]
[E] According to Maori mythology, Maui transformed into a hawk and was burned by this phenomenon while trying to escape
Mahuika. In Greek mythology, Prometheus was punished for stealing this phenomenon for humans.

## ANSWER: fire

[H] Mahuika gave Maui one of these things when he asked to take fire back to humankind. Maui learned the secret of fire after making Mahuika throw her last one of these things at dried wood.
ANSWER: nails [accept fingernails, toenails]
<Morales - Mythology>

4T. In a novel by this author, the political dissenter Doremus Jessup belongs to the New Underground and writes anti-authoritarian editorials in The Vermont Vigilance. After hearing about Buzz Windrip's presidential nomination, a doctor in that novel remarks, "Dictatorship?... Couldn't happen here!" In another novel by this author, Carol Kennicott fails to transform the conservative town (*) Gopher Prairie. The title real estate agent in a novel by this author betrays his wife Myra to rebel against conformity in the town of Zenith. This first American author to win the Nobel Prize in Literature critiqued capitalism in the 1920s. For 10 points, name this American author of Babbitt and Main Street.
ANSWER: Sinclair Lewis [or Harry Sinclair Lewis] <Ezrielev - American Literature>

4B. Although electrons in photosynthesis usually follow a linear pathway, photoexcited electrons will sometimes follow a cyclic pathway instead. For 10 points each:
[M] Cyclic electron flow utilizes this protein complex, whose reaction center absorbs light best at 700 nanometers. This complex is the second protein complex in linear electron flow, though it was discovered first.
ANSWER: photosystem I [or PS1; accept PS700]
[H] Although cyclic electron flow produces ATP, it does not produce many other products of linear electron flow, including elemental oxygen and this carrier molecule that donates electrons in the Calvin cycle.
ANSWER: NADPH [acept nicotinamide adenine dinucleotide phosphate or NADP+; do not accept or prompt on "NADH" or "NAD+"]
[E] Like linear electron flow, cyclic electron flow occurs in the thylakoid membranes within this plant organelle where photosynthesis takes place. The chlorophyll inside this organelle causes its green color.
ANSWER: chloroplasts
<Xie — Biology>

5T. One composer from this city wrote a violin concerto that opens with the soloist playing their open strings in succession. That composer was part of a group of composers named for this city and composed the operas Wozzeck and Lulu. Pierrot Lunaire was composed by the leader of a group named for this city. Alban Berg was a member of a "Second (*) School" named for this city which was led by Arnold Schoenberg. This city's Philharmonic orchestra holds an annual New Years' concert where pieces like the Trisch-Trasch Polka are performed. A dance in $3 / 4$ [three-four] time from this city was popularized by Johann Strauss II. For 10 points, name this home of the waltz and capital of Austria.
ANSWER: Vienna [or Wien; accept Second Viennese School]
<Morales - Auditory Fine Arts>

5B.Stevie Smith's poem "Thoughts about [this man]" notes how he was "one of the Rutlandshire ones I fancy." For 10 points each:
[H] Name this unwanted visitor who purportedly disrupted the composition of a 1797 poem describing a "damsel with a dulcimer" by "Alph, the sacred river." His name is also used more broadly to refer to interruptions of inspiration in literature.

## ANSWER: Person from Porlock

[M] The Person from Porlock hindered the completion of this poem, whose speaker describes a "stately pleasure-dome decree" in Xanadu. Its title figure was inspired by a Mongolian emperor who founded the Yuan dynasty.
ANSWER: "Kubla Khan": or, "A Vision in a Dream: A Fragment"
[E] "Kubla Khan" was written by this English poet, who collaborated with William Wordsworth to pen the collection Lyrical Ballads. This poet also wrote "Christabel" and "The Rime of the Ancient Mariner."
ANSWER: Samuel Taylor Coleridge
<Sivakumar - British Literature>

6T. A 2014 series that ends with this character's apparent death in a cave of Dionesium is [this character]: Endgame. In one arc, this character uncovers a conspiracy involving a wealthy crime group called the Court of Owls. This character fails to save his protegé from a fatal explosion in the series Death in the Family. This character's archnemesis compares their relationship to two prisoners escaping from an (*) asylum at the end of an Alan Moore story. This character is often assisted by the "Boy Wonder" as he faces off against foes such as Scarecrow, Two-Face, and his archnemesis, the Joker. For 10 points, name this DC superhero whose alter ego is Bruce Wayne.
ANSWER: Batman [accept The Dark Knight or The Caped Crusader; accept Bruce Wayne until it is mentioned]
<Ye - Pop Culture>

6B. Some scholars have suggested that the jagged X-shaped object at the center of this artist's oil painting On White II is an abstraction of St. George and his lance. For 10 points each:
[H] Name this Russian artist and pioneer of abstract art whose painting of a person riding across a hill was the inspiration for the artistic movement named after it, The Blue Rider.
ANSWER: Wassily (Wassilyevich) Kandinsky
[M] Couple Riding, a 1906 work by Kandinsky, was influenced by this artistic technique. This technique was also used by Georges
Seurat in A Sunday Afternoon on the Island of La Grande Jatte.
ANSWER: pointillism
[E] Both The Blue Rider and Couple Riding depict these animals. The title emperor rides a rearing one of these animals in Jacques-Louis David's Napoleon Crossing the Alps, and equestrian statues consist of people riding these animals.
ANSWER: horses
<Morales - Visual Fine Arts>

7T. In an amorphous material, a peak occurs with this quantity in a DSC curve. An observed decrease in this quantity indicates the impurity of a tested organic substance. This quantity for a binary mixture reaches a minimum at the eutectic point. The product of a constant, the van't Hoff factor, and the molality of a solution is this quantity's (*) "depression." The curve associated with this quantity on a phase diagram is downward sloping when hydrogen bonding is present. Dissolving salt in water is commonly used to lower this quantity. For 10 points, name this temperature in which a solid converts into a liquid, which for water is 0 degrees Celsius.
ANSWER: melting point [or freezing point or melting temperature or freezing temperature; accept crystallization temperature or freezing point depression; prompt on temperature or phase transition point]
$<\mathrm{Ye}$ - Chemistry>

7B. After their marriage, these rulers were known as the "Catholic Monarchs." For 10 points each:
[M] Name these two rulers. Both members of the house of Trastamara, they were a queen of Castile and a king of Aragon whose marriage resulted in the de facto unification of Spain.
ANSWER: Isabella I and Ferdinand II [accept in either order; accept Isabella of Castile and Ferdinand of Aragon]
[H] Ferdinand and Isabella completed the Reconquista by decisively defeating this final Muslim dynasty to occupy the Iberian peninsula. This dynasty's Emirate of Granada was toppled in 1492.
ANSWER: Nasrid Dynasty
[E] Ferdinand and Isabella are known for financing this Genoese explorer's 1492 voyage to the New World. After sailing with the ships Niña, Pinta, and Santa Maria, this explorer was arrested and stripped of his titles due to his brutality as an administrator.
ANSWER: Christopher Columbus <Gedajlovic - European History>

8T. In one story by this author, Pahom is told that he can have all the land he can walk around in one day, but dies just as he finishes and is buried in a six-foot grave. In a novella by this author, a high-court judge dies after falling while hanging curtains. This author of "How Much Land Does a Man Need?" began a novel with the quote "all happy families are (*) alike, but every unhappy family is unhappy in its own way." The title character of a novel by this author sees a railway worker die with Count Vronsky and later flings herself in front of a train. For 10 points, name this Russian author of The Death of Ivan Illyich and Anna Karenina.
ANSWER: Leo Tolstoy [or Lev Nikolayevich Tolstoy]
<Ezrielev - European Literature>

8B. The deuterium nucleus is one nucleus with an even atomic mass that is considered active in this technique. For 10 points each: [H] Name this technique which aligns the spins of atoms within a sample in a B-field. This technique commonly reports its results in terms of chemical shift relative to a TMS standard.
ANSWER: NMR spectroscopy [or nuclear magnetic resonance spectroscopy]
[E] The nucleus of this element's 1-isotope, which consists of a single proton, is analyzed in one form of NMR spectroscopy.
Deuterium is a heavier isotope of this lightest element.
ANSWER: hydrogen [or $\underline{\mathbf{H}}$; accept hydrogen-1 or $\underline{\mathbf{H}}$-1]
[M] An isotope of this element also has a commonly used NMR-active nucleus. A lighter isotope of this element defines the atomic mass unit, while a heavier isotope is used in radioactive dating.
ANSWER: $\underline{\text { carbon }}$ [or $\mathbf{C}$; accept carbon-13 or $\underline{\mathbf{C}}$-13 or carbon-12 or $\underline{\mathbf{C}}$ - 12 or carbon-14 or $\underline{\mathbf{C}}$-14]
<Tran - Chemistry>

9T. A woman originally from this city was exiled to Compiègne after the Day of the Dupes. One ruler of this city sacked Volterra in order to protect this city's monopoly on alum mining. Textile workers led a rebellion in this city in the Ciompi Revolt, during which time this city was ruled by the Albizzi family. After the invasion of Charles VIII, Girolamo (*) Savonarola led the Bonfire of the Vanities in this city. This city was once ruled by Lorenzo the Magnificent, who patronized Sandro Boticelli and Michelangelo with the money his family had acquired through its banking business. For 10 points, name this modern day capital of Tuscany that was ruled by the Medici family.
ANSWER: Florence [or Firenze]
<Gedajlovic - European History>
9B. This character purportedly "died of fever on the sands of Singapore." For 10 points each:
[H] Name this traveler who presents various technologies such as a magnet, a telescope, and a magnifying glass to José Arcadio Buendía.

## ANSWER: Melquíades

[E] Melquíades appears in One Hundred Years of Solitude, a novel by this author of many magical realist works. This author also wrote Love in the Time of Cholera.
ANSWER: Gabriel García Márquez [do not accept or prompt on "Márquez"]
[M] Isabel Allende was heavily inspired by One Hundred Years of Solitude to write this novel about the Trueba familia. It centers on the clairvoyant Clara del Valle, her husband Esteban, and their descendants.
ANSWER: The House of the Spirits [or La Casa de los Espiritus]
$<\mathrm{Wu}$ - World Literature>

10T. Vishnu performed a puja to this deity after hearing the sound of his stolen conch from Mount Kailash. This deity's consorts include Buddhi and Siddhi, who represent intellectual and spiritual power, respectively. This deity cursed the moon after it laughed at him. This deity's asymmetry occurred when he aided Vyasa by transcribing the Mahabharata. This deity engaged in a (*) race in which he ran around his parents to beat his peacock-riding brother, Kartikeya. This deity was sculpted out of clay by his mother, Parvati, and later had his head cut off by his father, who replaced it with that of an elephant. For 10 points, name this "remover of obstacles," a many-armed, elephant-headed Hindu deity.
ANSWER: Ganesha
<Morales - Mythology>

10B. One baseball team in this country, the Hanshin Tigers, were said to be cursed by Colonel Sanders after their fans dumped a statue of him in a river. For 10 points each:
[E] Name this country which has produced MLB players like Shohei Ohtani and Ichiro Suzuki. A record 22 Nippon Professional Baseball League championships have been won by the Yomiuri Giants, who play in this country's capital of Tokyo.

## ANSWER: Japan

[H] Ichiro Suzuki, often called the best Japanese baseball player of all time, spent most of his MLB career with this AL team. Edgar Martínez hit "The Double" for this team, which is the only MLB team to never go to the World Series.
ANSWER: Seattle Mariners [accept either underlined name]
[M] Japanese born players Yu Darvish and Hideo Nomo both played this position. The Cy Young Award is annually given to the best players at this position in both leagues of MLB.
ANSWER: pitcher
<Boonin - Pop Culture>

11T. This artist depicted two flying goblins meeting a lady in a work that satirized lustfulness of the clergy. This artist of Don't Scream, Stupid created a collection of eighty etchings that criticized this artist's perceived follies of society. No. 43 in that collection by this artist shows swarming bats and owls above a sleeping man who is thought to depict this artist. This artist of The Sleep of $(*)$ Reason Produces Monsters painted a series of paintings including Saturn Devouring His Son on the walls of the villa he lived in. For 10 points, name this artist of Los caprichos and the Black Paintings who depicted the Peninsular War in The Third of May, 1808.
ANSWER: Francisco Goya [or Francisco José de Goya y Lucientes]
<Wang - Visual Fine Arts>

11B. Inhabitants of this place include Mr. Xxx, who wears a mask with three smiles on it and William Stendahl, who builds a massive Poe-inspired death trap for his houseguests. For 10 points each:
[M] Name this setting of a series of titular chronicles including a story in which Ylla [ILL-uh] K dreams of men from another planet. Other stories set on this planet include "Usher II" and "The Earth Men."

## ANSWER: Mars

[E] This author of the Martian Chronicles also described the fireman Guy Montag in his novel Fahrenheit 451.
ANSWER: Ray Bradbury
[H] This story from the Martian Chronicles describes the destruction of an automated house after the death of all its inhabitants in a nuclear apocalypse. This short story takes its name from a Sara Teasdale poem.
ANSWER: "There Will Come Soft Rains"
<Casey / Rynearson - American Literature>
12T. A small device named PROP-M was part of a Soviet project to study the surface of this object. The Pathfinder mission to this object discovered a basaltic rock later nicknamed "Yogi." The atmosphere of this object causes commonly used retrorockets to be insufficient in studying it. The Viking missions were the first to successfully (*) land a spacecraft on this object. A 2021 mission to this object employed a skycrane maneuver to place a device on its surface. Evidence of subsurface oceans on this object was provided by the Spirit and Opportunity missions. For 10 points, name this planet that was studied by the Curiosity and Perseverance rovers.
ANSWER: Mars
<Wang - Other Science>

12B. These people built many wooden covered bridges in one geographical area named for them. For 10 points each:
[M] Name these people based in Lancaster County. These Anabaptists split from the Mennonites over the practice of shunning.
ANSWER: Amish [or Pennsylvania Dutch; do not accept or prompt on "Dutch"]
[H] Confusingly, Dutch Mennonites were the first settlers of Germantown, where members of this group drafted the first anti-slavery document in the New World in 1688. Members of this group believe in the "inner light."
ANSWER: Quakers [accept Society of Friends]
[E] Actual Dutch colonists settled in New Netherlands with help from the German-born Peter Minuit, who placed New Amsterdam on this island. This island shares its name with the smallest and most densely populated of New York City's five boroughs.
ANSWER: Manhattan Island
<Zhang - American History>

13T. One person with this office frequently visited and was later blackmailed by the alleged psychic Charles Colchester. One person in this office attempted to set up a racially integrated planned community for miners in Arthurdale, West Virginia, though the city ended up being segregated. One holder of this position was nicknamed "Lemonade" due to their support for the (*) temperance movement. One person with this position resigned from the Daughters of the American Revolution after learning that they had refused a venue for the singer Marian Anderson. For 10 points, name this position held by women such as Lucy Hayes, Mary Todd Lincoln, and Eleanor Roosevelt.
ANSWER: First Lady of the United States [or FLOTUS]
<Delot-Vilain - American History>

13B. This quantity is proportional to the density of a fluid and the cross-sectional area of an object. For 10 points each:
[M] Name this force that acts opposite to an object moving through a fluid. An object reaches terminal velocity when this force equals the gravitational force.
ANSWER: drag force [or air resistance or fluid resistance]
$[\mathrm{H}]$ The drag force is proportional to the square of velocity in this phenomenon. A hurdle to solving the general Navier-Stokes equations is accounting for this chaotic phenomenon.
ANSWER: turbulence [or turbulent flow]
[E] In turbulent flow, drag is independent of this property for a fluid. This property comes in dynamic and kinematic forms and represents the "thickness" of a fluid.
ANSWER: viscosity [accept dynamic viscosity or kinematic viscosity]
<Ye - Physics>

14T. A character created by this author recalls how Susie McPherson "screamed like a banshee" when tobacco juice was spit in her face. In a different play by this author, one character hosts late night poker games with Steve, Pablo, and Mitch. This author created a character who rails against his family's "mendacity" and turns to alcohol after Skipper's death. That character's wife fakes a pregnancy to prevent Mae and (*) Gooper from inheriting Big Daddy Pollitt's cotton plantation. In a play by this author, Blanche Dubois is assaulted by Stanley Kowalski and later declares, "I have always relied on the kindness of strangers." For 10 points, name this author of Cat on a Hot Tin Roof and A Streetcar Named Desire.
ANSWER: Tennessee Williams
<Gedajlovic - American Literature>

14B. This musical features Liesl and Rolfe dancing around in a gazebo while singing "Sixteen Going on Seventeen." For 10 points each:
[E] Name this musical that details the experience of Maria, who was once a nun before becoming a governess and falling in love with Georg von Trapp. In this musical, Maria sings about "bright copper kettles and warm woolen mittens" in "My Favorite Things." ANSWER: The Sound of Music
[M] This composer/lyricist duo collaborated on The Sound of Music as well as on musicals like South Pacific and Oklahoma! ANSWER: Richard Rodgers and Oscar Hammerstein II [prompt on partial answers]
[H] This song featured in The Sound of Music describes the title person as "high on the hill" and features large amounts of yodeling. Maria performs this song as a puppet show with the children.
ANSWER: "The Lonely Goatherd"
$<$ Morales - Other Fine Arts>

15T. One building of this type includes a mural of Harry Potter, Superman, Hello Kitty, and the Terminator to symbolize that people are evil and is called "Rong Khun." The largest building of this type contains 500 statues and consists of six rectangular and three circular stacked platforms in a step-pyramid fashion. Borobudur is one of these buildings, and these buildings sometimes contain a spherical structure called a (*) stupa. Chinese examples of these buildings often contain tiered multi-story towers called pagodas. Another of these buildings was built to resemble Mount Meru and is a national symbol of Cambodia. Angkor Wat became an example of, for 10 points, what Buddhist houses of worship?
ANSWER: Buddhist temples [or Hindhu temples; accept White Temple; accept Wat Rong Khun or Angkor Wat or wats until "Angkor Wat"; prompt on stupas or pagodas until they are mentioned with "what buildings are they part of?"]
<Tadigadapa - Other Fine Arts>

15B. A city on this river is the largest city by area in the contiguous United States. For 10 points each:
[H] Name this river. An abandoned plan for a canal would have connected the Gulf of Mexico and Atlantic Ocean by going through this river.
ANSWER: St. Johns River
[M] Another canal would have linked the St. Johns River with the Indian River Lagoon, a region which includes this cape. Numerous NASA rocket launches have occurred on this cape and at the nearby Kennedy Space Center.
ANSWER: Cape Canaveral
[E] Cape Canaveral and the St. Johns River are in this southern U.S. state, which also includes Tampa Bay and the Everglades. ANSWER: Florida
<Zhang - Geography>

16T. Nishikawa and Mise name a technique used to create these objects that was adapted by Kokichi Mikimoto to develop the Akoya version of these objects. A pear-shaped one of these objects called "La Peregrina" was almost eaten by a dog after Richard Burton gifted it to Elizabeth Taylor. Pliny the Elder recounts how Mark Antony lost a bet when (*) Cleopatra dissolved one of these objects in a goblet of wine. It's not a food, but Ama are Japanese women who free-dive for these objects. Cultured saltwater varieties of these objects are generally rounder than the freshwater variety. Layers of nacre [nay-ker] compose, for 10 points, what precious objects found in oysters?

## ANSWER: pearls

<B. Shao - Other Academic>

16B. This mathematician used the insolvability of the symmetric group of degree 5 to prove the Abel-Ruffini theorem. For 10 points each:
[H] Name this French mathematician who pioneered much of early abstract algebra, including a namesake theory relating groups and fields. This mathematician died in a duel at the age of 20.
ANSWER: Évariste Galois
[E] When applied to polynomials, Galois theory studies groups of these objects. These objects are arrangements of a set's elements that consider order, unlike combinations, and the number of them for $n$ elements is $n$ factorial.

## ANSWER: permutations

[M] Because permutations do not have this property when composed, the symmetric group is non-abelian. The "anti" form of this property is possessed by subtraction and division of real numbers.
ANSWER: commutativity [accept commutative]
<Ye - Other Science>

17T. In May 2020, this country and its northern neighbor engaged in violence near Pangong Lake. This country passed three farm acts in September 2020 that led to widespread protests by farmers. This country controversially reorganized one of its states in 2019 to create the Union Territory of Ladakh. This country's border with (*) China is demarcated by the Line of Actual Control. In 2019, this country instituted an internet blackout in an administrative region partly named for Jammu. China and Pakistan dispute control of Kashmir with this country. For 10 points, name this country led by Narendra Modi from New Delhi.
ANSWER: Republic of India [or Bhārat Gaṇarājya]
<Rao - Current Events>

17B. A pastry known as this man's "ears" is eaten by Ashkenazim during a certain holiday. For 10 points each:
[H] Name this evil figure who was defeated in his attempts to destroy the Jewish people during the reign of Ahasuerus.
ANSWER: Haman [accept hamantaschen]
[M] Hamantaschen are eaten on Purim to celebrate this woman's defeat of Haman in her namesake book of the Bible. This Jewish woman was the wife of the king of Persia.

## ANSWER: Esther

[E] On Purim, many Jews perform this action and pass out candy to children. On Halloween, people often perform this action to trick or scare away evil spirits.
ANSWER: wearing a costume [accept obvious equivalents like dressing up as someone]
<Morales - Religion>

18T. A story by this author ends with one character threatening natives with a knotted rope to prevent them from boarding a boat. An impresario places a forty day limit on the central activity in another story by this author, which ends with the title character being replaced with a panther. This author wrote about "the Commandant," who dies after an execution device writes (*) "Be Just" on his back. This author of "A Hunger Artist" and "In the Penal Colony" wrote about Grete's brother, who is paralyzed after his father throws an apple at his back. In that story by this author, Gregor Samsa wakes up to find himself transformed into an insect. For 10 points, name this author of The Metamorphosis.
ANSWER: Franz Kafka <Gedajlovic - European Literature>

18B. For 10 points each, answer the following about the cursus honorum, a career path followed by aspiring politicians in the Roman Republic:
[E] The cursus honorum started with one being elected to the office of quaestor [QUEST-er] after they turned 30, which also granted membership in this legislative body.
ANSWER: Roman Senate [or Senatus Romanus]
[H] Many politicians held the office of either curule [kyoo-rool] aedile [EE-dyle] or an aedile named for these people. Another office, the tribune of these people, could unilaterally veto acts by other officials.
ANSWER: plebeians [accept tribune of the plebs or plebeian tribune]
[M] The ultimate goal of following the cursus honorum was to be elected to this office, which acted as the Roman head of state. Two people held this office every year, holders of which also acted as the commander-in-chief of Roman armies.
ANSWER: consul
<Rao - Other History>

19T. This compound binds to alpha and beta receptors to perform its main function. This compound's synthesis by the methylation of its precursor in chromaffin cells is catalyzed by PNMT. It's not glucagon, but high levels of this compound can trigger gluconeogenesis. Secretion of it is increased by conditions like pheochromocytomas [FEE-oh-CROW-mo-SIGH-tow-mas] and hypoglycemia. This compound can trigger (*) vasoconstriction, which is why it is often used to treat anaphylaxis. This neurotransmitter is produced from namesake glands that sit above the kidneys. For 10 points, name this chemical that activates the "fight-or-flight" mechanism and is used to treat allergic reactions through its namesake pens.
ANSWER: epinephrine [accept adrenaline; do not accept or prompt on "norepinephrine" or "noradrenaline"]
$<$ Morales - Biology>
19B. A poem by Torquato Tasso set during the First Crusade is titled for "[this city] Delivered." For 10 points each:
[H] Name this city. A William Blake poem titled for this city opens "And did those feet in ancient time" and asks "And was [this city] builded here, / Among these dark Satanic mills?"

## ANSWER: Jerusalem

[E] Tasso's "Jerusalem Delivered" is an example of this type of long narrative poem. Tales of this type such as "Beowulf" and "The Lusiads" usually depict a heroic quest and their "mock" type was pioneered by poets like Alexander Pope.
ANSWER: epic poem [accept mock epic poem]
[M] "Jerusalem Delivered" heavily inspired segments of this other epic poem, including one in which the central character declares that it is "Better to reign in Hell than serve in Heaven" before being banished to the city of Pandemonium.
ANSWER: $\underline{\text { Paradise Lost }<\text { Morales/Rynearson — European Literature> }}$

20T. A group of people with this non-political occupation made up an "opposition" which criticized Nero and Domitian for their tyrannic rule. It's not a mathematician or an astronomer, but one of these people became rich by temporarily monopolizing olive oil presses. The epic poem De Rerum Natura that propounded the theory of atomism was written by one of these people named (*) Lucretius. Cicero translated Timaeus, a text by a Greek person with this profession into Latin. In addition to being an emperor and a general, the author of the Meditations, Marcus Aurelius, was one of these people. For 10 points, name these people, who included Plato and Aristotle.
ANSWER: philosophers <Bowman — Other History>

20B. The central subject of this experiment was later found to have died from a neurological condition not discussed in any original reports. For 10 points each:
[H] Name this experiment in which Rosalie Rayner and John B. Watson used objects like a Santa Claus mask on the infant subject.
ANSWER: Little Albert experiment
[M] The Little Albert experiment concerned the operant form of this process. This process consists of accustoming a person to behave in a certain way. The "classical" form of this process was studied by Ivan Pavlov.
ANSWER: operant conditioning [accept classical conditioning]
[E] Another one of Watson's experiments, the Kerplunk experiment, concerned the ability of these animals to run through a maze for a food reward. They aren't mice, but these rodents are often sent to travel mazes to find food like peanut butter or cheese.
ANSWER: rats
<Morales - Social Science>

