

Bulldog High School Academic Tournament 2019 (XXVIII): Description acceptable.

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Packet 5 Tossups

1. **A leader of this political party who hid his prostate cancer for 15 years was criticized for a decadent “last meal,” in which he illegally ate two songbirds. That leader campaigned on this party’s “110 Propositions” in the early 1980s. In this party’s 2017 primary, Manuel Valls was shockingly defeated by Benoît Hamon, who went on to place below both (*) Marine Le Pen and Emmanuel Macron in the general election. A president from this party, who was succeeded by Jacques Chirac in 1995, was attacked for ordering the sinking the Greenpeace ship *Rainbow Warrior*. A rose is the symbol of—for 10 points—what center-left French party of François Mitterrand and François Hollande?**

ANSWER: **Socialist** Party of France [or Parti **Socialiste**; prompt on **PS**] <SCW>

2. **In a short story by this author, a woman gains the ability to see character-revealing animal heads on people’s bodies after getting surgery to fit her eyes with blue lenses. Five cousins of this author inspired J.M. Barrie’s *Peter Pan*. Nat Hocken and his family barricade themselves in their house in Cornwall to protect against the title (*) animals in a short story by this author. This author created the conniving Mrs. Danvers, who burns down the estate of Maxim de Winter at the end of a novel that begins “Last night I dreamt I went to Manderley again.” For 10 points, name this author of “The Birds” and *Rebecca*.**

ANSWER: Daphne **du Maurier** <HK>

3. **These points correspond to spacelike boundaries in a Penrose diagram. On Earth, the North Pole is an example of the “coordinate” type of this point, which can be removed by changing coordinate systems. A trapped null surface must exist for one of these points to exist, according to the Penrose–Hawking theorems. The cosmic censorship hypothesis suggests that there are no (*) “naked” examples of these points. One of them is found at the coordinate origin of the Schwarzschild metric, and they are always enclosed by an event horizon. The center of a black hole contains—for 10 points—what type of point where the gravitational force becomes infinite?**

ANSWER: **singularities** [or **singularity**; prompt on **black holes** before they’re mentioned] <SE>

4. **This instrument sometimes echoes a rapid ascending scale from G to D that’s played by a set of pipes. This instrument is introduced immediately after the soprano showpiece “O zittre nicht, mein lieber Sohn” [OH tzih-truh NEEHHT “mine” LEE-buh zohn]. This instrument is played while passing through chambers of fire and water in a trial that grants the (*) protagonist access to a temple. After slaying a serpent, three ladies who serve the Queen of the Night give a set of magic bells to Papageno and give *this* instrument to Tamino. For 10 points, name this enchanted instrument that titles an opera by Mozart.**

ANSWER: the **Magic Flute** [or Die **Zauberflöte**; prompt on partial answer] <JR>

5. **In the essay “The Greater Common Good,” Arundhati Roy slams the creation of *these* things, noting that they displace people in Madhya Pradesh for the benefit of Gujarat. Protests against these things in Madhya Pradesh are dubbed “Jal Satyagraha.” Narmada Bachao Andolan is a movement opposed to the construction of a series of these things, the largest of which is called Sardar Sarovar. The 1961 construction of one of these structures, the Farakka (*) Barrage, has been blamed for increasing flooding in Bihar and shifting the course of the Ganges. For 10 points, name these structures whose construction often displaces people by creating a reservoir where a river used to flow.**

ANSWER: **dams** [accept **barrages** before “Barrage”] <HK>

6. **This man traveled to Cuba to negotiate the release of captain José Villa in the *Johnny Express* incident. This politician appointed Eric Delvalle as one of his disposable “Kleenex presidents” in the same year that he ordered the murder of physician Hugo Spadafora. After the death of Robert Paz, the U.S. invaded the country of this former CIA informant in Operation (*) Nifty Package. During that offensive, the U.S. Army played songs by AC/DC and Guns N’ Roses to force this man out of his country’s Vatican City embassy. George H. W. Bush launched Operation Just Cause to depose—for 10 points—what 1980s-era president of Panama?**
ANSWER: Manuel Noriega <VS>

7. **While trying to obtain a set of *these* animals, one hero fired an arrow at the sun, after which he was offered Helios’ golden cup. Before being clubbed to death, Eurytion and the hound Orthrus guarded a group of these animals that lived in Erytheia. Some “handsome” examples of these animals were slaughtered on the island of Thrinacia by Eurylochus. Odysseus’s ship is destroyed by a thunderbolt after his men (*) eat some of these animals belonging to Helios. Heracles steals a set of these animals from the three-bodied Geryon. Pasiphaë gave birth to a creature with the head of this animal, which was placed in the labyrinth. The minotaur has the head of—for 10 points—what animal?**
ANSWER: cattle [accept cows; accept bulls; accept oxen] <SPQR>

8. **Lord Byron’s long poems inspired a poem in this language whose first section ends with the lines “There are very many contradictions, / But I don’t want to fix them.” The cycle *The Swan’s Camp* was written in this language by a woman poet of its early 20th-century Silver Age. The title man rejects a girl who writes him an effusive love letter in a poem in this language that uses numbered stanzas in the sonnet-like (*) “ABAB CCDD EFF EGG” rhyme scheme. In a poem in this language, the title man flirts with the wrong girl at a name-day ball, causing him to kill his neighbor in a duel. For 10 points, name this language of Marina Tsvetaeva and Alexander Pushkin.**
ANSWER: Russian [or Ruski] <JR>

9. **This philosopher claimed that a hedonist constantly searching for new pleasures will realize that they all become boring in the end. This philosopher describes feeling like a chess piece that can’t be moved in a collection of aphorisms called “Diapsalmata,” which also asks “what is a poet?” This philosopher published six books in (*) 1843 and five in 1844, including a massive two-part book that contrasts the aesthetic and ethical approaches of the personas “A” and “Judge Vilhelm.” This man originated the idea of the “leap of faith” and used dozens of pseudonyms like Johannes Climacus. For 10 points, name this Danish philosopher who wrote *Either/Or* and *Fear and Trembling*.**
ANSWER: Søren (Aabye) Kierkegaard <JR>

10. **This artist seduces and then assassinates an abusive boyfriend in the music video for a 2015 song by Disclosure. A song by this artist uses a sample of Phil Collins’ “In the Air Tonight” to transition to a section that repeats the line “L.O.V.E.L.E.S.S. [L-O-V-E-L-E-S-S] generation.” In a 2017 song by this artist, an upbeat piano riff comes in for the words “Brand new sounds in my mind.” Bass, percussion, and (*) fingersnaps are the only accompaniment to the vocals in a 2013 song this artist released at the age of 16. On her breakout hit, this New Zealand-based artist sings “We’re not caught up in your love affair” and “Let me live that fantasy.” For 10 points, name this singer of “Green Light” and “Royals.”**
ANSWER: Lorde [or Ella Yelich-O’Connor] <HK>

11. **Specialized structures to store *this* substance have been evolved by families like *Aizo-aceae* and *Crassulaceae*. This substance is excreted in guttation. This is the primary substance that moves through “symplastic” and “apoplastic” routes. Low levels of this substance prompt the production of abscisic acid. An excess of this substance causes guard cells to expand due to high (*) turgor pressure. This substance is stored in a plant cell’s central vacuole, and its lost through stomata in transpiration. This is the primary substance transported in xylem. Photosynthesis produces glucose and oxygen from carbon dioxide and—for 10 points—what liquid?**

ANSWER: water [or H₂O; prompt on xylem sap] <JR>

12. **In Shia tradition, this man’s first child is a sole daughter, Anaq, though all his children afterwards were sets of twins. According to some hadith, this man was separated from his wife until they reunited at Mount Arafat. This man lived in *Jannah* with his wife *Hawa*. The angel (*) Iblis refused to bow before this man, who, in the Qur’an, is taught the names of all things. This first prophet of Islam is said to have married Lilith and fathered Seth. This man was tempted by al-Shaitan. The Qur’an condemns murder after telling the story of this man’s sons Cain and Abel. For 10 points, name this husband of Eve, the first man.**

ANSWER: Adam [or Adem] <HK>

13. **This character incredulously reflects upon the fact that someone like himself, with the nickname “Roaring Flame,” has sired a “degenerate and effeminate” child. This son of a lazy, drunken flute player develops a reputation after defeating Amalinze the Cat in a wrestling match. This man is exiled from his village as punishment for hitting his wife during the (*) Week of Peace. At the end of the novel, this character avoids being tried for beheading a British official by hanging himself. In order to avoid looking weak, this man strikes the fatal blow in the ritual murder of his son Ikemefuna. For 10 points, name this protagonist of Chinua Achebe’s *Things Fall Apart*.**

ANSWER: Okonkwo <MK>

14. **The second theme of this symphony’s first movement is unusually in the submediant of B-Flat, rather than the relative major. This symphony’s second movement is a fugue-filled scherzo that seems to parody the first theme of its first movement. The last movement of this symphony is structured both like a theme and variations and a (*) mini-symphony in itself, including a “Turkish March.” In this symphony’s last movement, the chorus sings about a “Daughter from Elysium” after the bass recitative “Oh friends, not these tones!” A setting of “Ode to Joy” ends—for 10 points—what last symphony by Ludwig van Beethoven?**

ANSWER: Beethoven’s Symphony No. 9 [accept any answer describing Beethoven’s Ninth symphony; accept Choral Symphony; accept Ode to Joy until mentioned] <JW>

15. **The fact that “the real numbers adjoin x ” is a “unique [this word] domain” is necessary for most applications of this process. A cumbersome method for this process uses Lagrange interpolation and is named for Kronecker. All non-monomials can undergo this process in the complex plane, by the fundamental theorem of (*) algebra. This process cannot be applied to irreducible polynomials. Quadratics can easily be solved with either the quadratic formula, completing the square, or *this* process. For 10 points, name this process of turning polynomials into a product of smaller-degree terms, such as turning “ x -squared minus 1” into “ x minus 1” times “ x plus 1”**

ANSWER: polynomial factorization [accept word forms] <JW>

16. The “Guardians” of *this* country recognized Margaret of Norway as queen when its king rode over the cliffs at Kinghorn while inebriated. This country’s king beheaded Henry de Bohun in battle after stabbing the Red Comyn to death at a church altar. This country sent Pope John XXII the Declaration of Arbroath to declare full independence. This country’s king John Balliol teamed up with Philip the Fair of (*) France to form the Auld Alliance. Edward II lost the Battle of Bannockburn to this country’s king Robert the Bruce. Edward I of England was known as the “hammer” of—for 10 points—what country once led by William Wallace?

ANSWER: Scotland [or Alba] <SPQR>

17. Molybdenum and an element symbolized by *this* letter are the only two elements that form sextuple bonds. Scheelite is the principal ore of the element whose symbol is this letter. A quantity symbolized by this letter equals the integral of pressure with respect to volume. It’s not a Greek letter, but entropy is proportional to the (*) logarithm of a quantity represented by this letter in Boltzmann’s formula. Internal energy equals: a quantity symbolized by this letter, plus heat. This letter symbolizes both the number of microstates of a system and the most common element in light bulb filaments. Tungsten’s chemical symbol is—for 10 points—what letter that represents work?

ANSWER: W <AF>

18. In a poem titled for this activity’s “sad lexicon,” Franklin P. Adams discusses the “saddest of all possible words.” Jack Keefe recounts his experiences in this activity in Ring Lardner’s novel *You Know Me Al*. In a poem, we are told that “The band is playing somewhere and somewhere hearts are light” as the title character strands Blake and (*) Flynn by failing in this activity. Jay Gatsby’s friend Meyer Wolfsheim supposedly placed bets on this activity after fixing its result. Sad poetry is written in green ink on an object used for this activity by Holden Caulfield. For 10 points, name this activity referenced in “Casey at the Bat.”

ANSWER: baseball [accept more specific answers like the World Series; prompt on hitting or batting] <SCW>

19. An altarpiece by this painter is enclosed by a golden frame that features the all-seeing eye of God on its base. This artist abandoned the illusion of depth for a landscape in which the title tiny, black-clad *Monk* blends into the title *Sea*. This artist, who often depicted single trees and people gazing at the moon, painted a cross on a mountaintop in the (*) *Tetschen Altar* and also painted *The Abbey in the Oakwood*. A shipwreck blends into the title *Sea of Ice* in a painting by this artist, who also depicted a man with his back to us, who holds a walking stick and looks out over a mist-covered landscape. For 10 points, name this German Romantic painter of *Wanderer Above the Sea of Fog*.

ANSWER: Caspar David Friedrich <AH>

20. In this state, Solomon Porcius Sharp was killed by Jereboam Beauchamp during the Old Court–New Court controversy. Minister James McGready launched the Revival of 1800 at the Red River meeting house in this state. Andrew Jackson vetoed funding for a link to the National Road beginning in this state’s city of Maysville. In the “corrupt bargain” of (*) 1824, a man from this state became Secretary of State under John Quincy Adams. That perennial presidential candidate from this state created an economic plan known as the “American system” and spearheaded the Missouri Compromise. For 10 points, name this home state of Henry Clay.

ANSWER: Kentucky <VS>

Tiebreaker

21. In a play inspired by this poet's life, a reporter from Chicago is let into the title character's room by John Stanhope. This poet inspired Susan Glaspell's play *Alison's House*. Posthumous editors like Mabel Loomis Todd and Thomas Wentworth Higginson ironed out this poet's grammatical idiosyncrasies. This poet capitalized almost every noun in a poem whose speaker has "put away / My labor and my leisure too / For His (*) Civility." This poet stuck dashes in lines like "Since then – 'tis Centuries – and yet" in a poem about "the day / I first surmised the Horses' Heads / Were toward Eternity." For 10 points, name this "Belle of Amherst" who wrote "Because I could not stop for Death."

ANSWER: Emily (Elizabeth) Dickinson <JR>

Bonuses

1. This author's use of formulaic phrases was explained with reference to Balkan epics by Milman Parry and Albert Lord. For 10 points each:

[10] Name this author who is credited with including a "Catalogue of Ships" in a poem that begins with a word meaning "rage."

ANSWER: **Homer**

[10] The "Catalogue of Ships" is found in Book 2 of *this* Homeric poem, in which Achilles throws a fit after Agamemnon steals his captive concubine Briseis.

ANSWER: **Iliad** [or **Ilias**]

[5+5] Since Homer didn't have a word for "blue," he used similes and comparisons to describe that color instead. For 5 points each—to what materials does Homer compare the appearance of the sea and the sky?

ANSWER: **wine** [accept **wine-dark** or **oinops** pontos] (The sea.)

bronze [or polu**kalkos** ouranos or **kalkeos**; accept **brazen** or abounding in **copper**] (The sky.) <SPQR>

2. A series of lectures at this institution promoted the "Grand Manner" and were later published as the *Discourses on Art*. For 10 points each:

[10] Name this institution founded by Joshua Reynolds.

ANSWER: Royal **Academy** of Arts

[10] Reynolds used the "Grand Manner" in his many large, idealized works in *this* genre. In this genre, Reynolds was commissioned to paint actors like David Garrick and Sarah Siddons, and he also used it to depict himself.

ANSWER: **portraits** [accept **self-portraits**]

[10] One of the founding members of the Royal Academy was *this* Neoclassical painter, whose portraits include a depiction of her friend Goethe [GUR-tuh].

ANSWER: (Maria Anna) Angelica **Kauffman** <JR>

3. This typographical feature was used in "Homage to my Hips" and other poems by Lucille Clifton. For 10 points each:

[10] Name this most famous typographical feature of poems like "I carry your heart with me" by E. E. Cummings. Cummings's "Anyone lived in a pretty how town" has this feature for every word except "women."

ANSWER: **no capital** letters [accept any answer indicating that an author only uses **lowercase** letters]

[10] Lucille Clifton was deeply influenced by *this* earlier poet, who used all-lowercase titles for poems like "the mother." Her most famous poem describes a group of seven pool players who "Jazz June" and "Die soon."

ANSWER: Gwendolyn (Elizabeth) **Brooks**

[10] Clifton was also a longtime friend of *this* other poet, whose poem "The Summer Day" asks "Tell me, what is it you plan to do / with your one wild and precious life?"

ANSWER: Mary (Jane) **Oliver** <JR>

4. The total entropy of the universe must increase during processes of this type. For 10 points each:

[10] Give the colloquial English term for exergonic processes, that is, those that tend to occur without any outside intervention.

ANSWER: **spontaneous** processes

[10] Another criterion for spontaneous processes is that the change in *this* quantity is negative. The change in this quantity equals "negative- RT times the natural log of the equilibrium constant."

ANSWER: **Gibbs free energy** [prompt on **free energy**]

[10] This man's formulation of the second law of thermodynamics forbids spontaneous processes that only move heat from cold to hot. He's the *first* namesake of an equation that gives slopes on phase diagrams in terms of latent heat.

ANSWER: Rudolf (Julius Emmanuel) **Clausius** (The equation is the Clausius–Clapeyron equation.) <SE>

5. These people had to “Act by the law, judge fairly, [and] not act willfully or headstrong.” For 10 points each,
[10] Name this position in the Ancient Egyptian government, analogous to a prime minister. This word comes from the title given to the chief official, a “grand” one of these people, in the Abbasid Caliphate and Ottoman Empire.

ANSWER: **vizier** [or **tjati**; accept **wazir**]

[10] *This* vizier of the pharaoh Djoser designed his step pyramid and is considered one of the world’s first architects. After his death, this man was deified and conflated with the god Thoth.

ANSWER: **Imhotep**

[10] Imhotep is also credited with ending one of *these* events during the reign of Djoser. These events often occurred when the annual Nile flood was too low or too high to properly irrigate Egyptian crops.

ANSWER: **famine** [accept any answer indicating a food **shortage** or mass **starvation**] <SPQR>

6. These structures are similar to, but much warmer than “cold seeps.” For 10 points each,

[10] Name these structures that are home to chemosynthetic bacteria and archaea that can metabolize hydrogen sulfide.

ANSWER: hydrothermal **vents** [accept **black smokers** or **white smokers**]

[10] Studies of hydrothermal vents have led to the “iron-sulfur world” theory of *this* event, which posits that synthesis of amino acids followed by expulsion into water could have led to the formation of proteins and proto-cells. A description is fine.

ANSWER: **origin of life** on Earth [accept reasonable equivalents]

[10] Red-tipped “tube” types of these organisms, which can grow upwards of 7 feet long, are often found near hydrothermal vents. These organisms make up the phylum *Annelida*.

ANSWER: **worms** <HK>

7. This composer’s fourth symphony, which is nicknamed *Los Angeles*, was dedicated to the businessman Mikhail Khodorkovsky. For 10 points each:

[10] Name this contemporary composer of *Fratres* and *Tabula Rasa*.

ANSWER: Arvo **Pärt**

[10] Pärt wrote a mass setting named for this European capital, where it was also debuted in its St. Hedwig’s Cathedral. Herbert von Karajan directed this city’s Philharmonic Orchestra for 45 years.

ANSWER: **Berlin**

[10] Pärt’s “tintinnabuli” pieces contrast stepwise lines with *these* musical figures, which are a type of broken chord often practiced alongside scales.

ANSWER: **arpeggios** [or **arpeggiated** chords] <WJ>

8. This pilot was deemed “an American girl of the right type” by Amy Guest, who sponsored her 1928 transatlantic flight. For 10 points each:

[10] Name this American, who disappeared with copilot Fred Noonan while trying to circumnavigate the globe in 1937.

ANSWER: Amelia (Mary) **Earhart**

[10] Earhart flew across the Atlantic just over a year after Charles Lindbergh, who later became a spokesman for *this* non-interventionist organization. This group opposed American involvement in World War II from 1938 to 1941.

ANSWER: **America First** Committee

[10] During World War II itself, a group of African-American pilots were trained near *this* university town in Alabama.

ANSWER: **Tuskegee** [accept **Tuskegee Airmen**] <JR>

9. This holiday unusually occurs on the night of a new moon. For 10 points each:

[10] Name this Indian festival that occurs on the third day of another holiday. Since the deity at the center of this holiday appreciates cleanliness, people frequently buy new brooms and deep-clean their homes on this holiday.

ANSWER: **Lakshmi Puja**

[10] Lakshmi Puja is the most important day of *this* autumn holiday, which celebrates the triumph of light over darkness and is typically celebrated by lighting candles.

ANSWER: **Diwali** [or **Deepavali**]

[10] On Choti, the second day of Diwali, people traditionally buy *these* items, which are collectively known as *mithai*. Examples of these items include kheer, jalebi, and kaju burfi.

ANSWER: **sweets** [or **desserts**; prompt on **foods** or similar answers by asking “What kind of food?”] <AF>

10. For 10 points each—answer the following about flow cytometry:

[10] Flow cytometry is commonly used to perform *this* action on a sample of different cell types. Devices that use flow cytometry and electrostatic deflection to perform this process are known as FACS.

ANSWER: **sorting** cells [accept equivalentents]

[10] Flow cytometry is also often used in conjunction with FISH to quantify the length of these structures. These chromosomal structures are possibly responsible for the aging process.

ANSWER: **telomeres**

[10] In flow cytometry, cells are often tagged with dyes of *this* type to allow for visualization. A protein isolated from jellyfish emits green light under blue and UV light due to this property.

ANSWER: **fluorescent** [accept green **fluorescent** protein; accept word forms] <HK>

11. The current world champion of this game’s masters division is Robin Schulz. For 10 points each:

[10] Name this trading card game, which is based on a Nintendo franchise featuring Ash Ketchum and his Pikachu.

ANSWER: **Pokémon** Trading Card Game

[10] Attaching *these* cards to Pokemon allows them to attack. They are depicted as colored spheres with black symbols on them.

ANSWER: **energy** cards [or **energies**]

[10] One way for a player to win a match of Pokemon TCG is to knock out *this* number of opposing Pokemon. This is also the number of Prize Cards each player starts with.

ANSWER: **six** <BY>

12. This man argued that since all contingent things have necessary causes, there must be some non-contingent thing that exists necessarily, which he deduces must be God. For 10 points each:

[10] Name this philosopher from around the year 1000, who wrote a book that, in Latin translation, became the standard medical textbook in Medieval Europe.

ANSWER: **Avicenna** [or **Ibn Sina**; or Abu ‘Ali al-Husayn ibn Abd Allah ibn Al-Hasan ibn Ali **ibn Sina**]

[10] Avicenna was known for his use of *these* scenarios, for instance by asking us to postulate a “floating man.”

Albert Einstein helped bring these imaginative exercises into physics, where examples include Schrödinger’s Cat.

ANSWER: **thought experiment** [prompt on partial answer; accept **Gedanken-Experiment** or **Gedankenerfahrung**]

[10] Avicenna was also known for his work in *this* branch of philosophy, which includes ontological questions like “what is *being*, as such?”

ANSWER: **metaphysics** <JR>

13. This author described the mistreatment of the title bird in “The Albatross” and envisioned a place of “luxury, peace, and pleasure” in “Invitation to the Voyage.” For 10 points each:

[10] Name this poet who calls the reader a “hypocrite” in the poem “To the Reader.”

ANSWER: Charles (Pierre) **Baudelaire**

[10] Baudelaire was a major translator of *this* American poet, who recounted a “tapping at my chamber door” in “The Raven.”

ANSWER: Edgar Allan **Poe**

[10] This Baudelaire poem calls Nature a “temple in which living pillars / Sometimes give voice to confused words,” saying “Man passes there through forests of symbols.”

ANSWER: “**Correspondences**” <JW/JR>

14. For 10 points each—name some consorts of Aphrodite, none of whom are her husband, Hephaestus:

[10] Perhaps the best-known consort of Aphrodite was *this* beautiful mortal man. After his death to a wild boar, Aphrodite’s tears mixed with his blood and formed the anemone flower.

ANSWER: **Adonis**

[10] A son of *this* god and Aphrodite was once attacked while bathing by the nymph Salmacis, who then merged with that son of this deity.

ANSWER: **Hermes**

[10] Aphrodite was the mother of Aeneas by *this* Trojan noble, whom Aeneas carried out of Troy to escape the Greek invasion.

ANSWER: **Anchises** <JW>

15. Governor Evelyn Baring declared a state of emergency in response to this event. For 10 points each:

[10] Name this unsuccessful anti-colonial uprising led by Dedan Kimathi. The British used reporting about the Lari Massacre to smear the rebels during this conflict.

ANSWER: **Mau Mau** Rebellion

[10] The Mau Mau rebellion took place in this East African country, whose first president had the first name “Jomo” and a last name containing this country’s name.

ANSWER: Republic of **Kenya** [or Jamhuri ya **Kenya**; accept Jomo **Kenyatta**]

[10] The Mau Mau rebels were primarily members of *this* ethnic group. Jomo Kenyatta was also a member of this largest Kenyan ethnic group.

ANSWER: **Kikuyu** [or **gĩkũyũ**] <MK>

16. The Eastern and Western Ghats are mountain ranges that separate *this* area from the sea on either side. For 10 points each:

[10] Name this broad plateau in India, which is separated from the Gangetic plain to the north by the Satpura and Vindhya Mountains. Its name comes from the Sanskrit for “south.”

ANSWER: **Deccan** Plateau

[10] This other Asian plateau is governed by a namesake Chinese “autonomous region.” Nicknamed “The Roof of the World,” it’s the traditional home of the Dalai Lama.

ANSWER: **Tibetan** Plateau [accept **Tibet**]

[10] The Khorat Plateau is home to *this* country’s poor northeastern region of Isan, which is a leading producer of sticky rice despite having less reliable rainfall than this country’s central lowlands.

ANSWER: Kingdom of **Thailand** [or Ratcha-anachak **Thai**] <HK>

17. In this man's film *Ordet*, Johannes Borgen thinks he's Jesus Christ after going insane from studying too much Kierkegaard. For 10 points each:

[10] Name this Danish director, who included a lot of shots of Renée Jeanne Falconetti's anguished face in the 1928 film *The Passion of Joan of Arc*.

ANSWER: Carl Theodor **Dreyer**

[10] In *The Passion of Joan of Arc*, Falconetti's face often occupies the entire screen, since Dreyer loved to use *this* kind of shot. These shots are contrasted with long shots.

ANSWER: **close-up**

[10] Dreyer's second film was titled for one of *these* people, another one of which titles F.W. Murnau's film *Nosferatu*. B-movie star Bela Lugosi was most famous for starring as one of these people.

ANSWER: **vampires** [accept Count **Dracula**] <JR>

18. In November 2018, a panel of scientists voted to adopt a new version of this system based on a set of seven physical constants. For 10 points each:

[10] Name this system of physical units based on quantities like the kelvin and the meter.

ANSWER: **SI** units [or **International System** of Units; or **Système international** d'unités; prompt on **metric** system]

[10] One change to the SI units will be the use of Planck's constant to define *this* base unit, which was the only base unit defined by a physical artifact since the 1960 redefinition of the meter.

ANSWER: **kilogram** [prompt on **mass**; do not accept or prompt on "gram" or "weight"]

[10] In another change, the kelvin will be defined by the numerical value of Boltzmann's constant, rather than the old definition that sets *this* physical value equal to 273.16 kelvins.

ANSWER: **triple point** of **water** [accept **H2O** for **water**; prompt on partial answer; do not accept or prompt on "critical point"] <SE>

19. In the book *Culture and Imperialism*, Edmund Said [sah-EED] calls this author's novel *Mansfield Park* "pre-imperialist." For 10 points each:

[10] Name this English author, who also wrote about Elizabeth Bennet in *Pride and Prejudice*.

ANSWER: Jane **Austen**

[10] Austen was one of the first authors to consistently use *this* style of narration, in which the voice of a third-person narrator is blended with quasi-first-person thoughts from the novel's characters.

ANSWER: **free indirect** discourse [accept **free indirect** speech or **free indirect** style; prompt on third-person **omniscient**]

[10] Free indirect discourse is especially prominent in *this* Jane Austen novel, whose protagonist tries and fails miserably at matchmaking.

ANSWER: **Emma** <MK>

20. Men depicted on denominations of this currency included Gauss and the Brothers Grimm. For 10 points each,

[10] Name this currency of West Germany from 1948 to 1990 and of united Germany from 1990 to 2002, after which it was replaced by the Euro.

ANSWER: Deutsche **Mark** [do not accept or prompt on "Reichsmark" or "Rentenmark"]

[10] The announcement of the Deutsche Mark led to the Soviet blockade of *this* capital, which was split into halves after World War II. This city was supplied by the Western Allies during a nine-month airlift.

ANSWER: **Berlin**

[10] An important commodity delivered during the Berlin airlift was coal from what is now *this* German state. Apart from the city-states, this is Germany's smallest state in population and land area.

ANSWER: **Saarland** <SPQR>

Tiebreaker

21. For 10 points each—answer the following about aviation disasters and terrorist incidents involving the Boeing 747:

[10] In December 1988, nationals of *this* country blew up Flight 103 over the town of Lockerbie, Scotland, killing 270 people. They were eventually handed over to authorities by this country's then-leader, Muammar Gaddafi.

ANSWER: State of **Libya**

[10] In 1977, a KLM-operated 747 collided with another 747 while taking off from *this* island's Los Rodeos airport. That accident on this Spanish-controlled island is the deadliest in the history of aviation, with 583 deaths.

ANSWER: **Tenerife**

[10] Both the aircraft involved in the Lockerbie Bombing and the aircraft on the ground in the Tenerife Disaster were operated by *this* now-defunct U.S. airline, which folded in 1991. It had its own "Worldport" terminal at JFK.

ANSWER: **Pan Am** [or **Pan American** World Airways] <SCW>