

2020 WORKSHOP: We Oughtta pRopose aKronymS aHead Of Ptime

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Packet 1

Tossups

1. **A character in this novel begins crying uncontrollably in the French Hotel after being kissed on the cheek. That character, who is described as having the “ugliness of resignation,” goes every Friday to the Misericordia district and curses her brother to shrink and “die like a dog” after being kicked out of his home. After discovering nude pictures of (*) servants, another character in this novel leaves her husband, Count Jean de Saligny. After her sister dies by drinking poisoned brandy meant for the politician Severo del Valle, a character in this novel stops speaking until she marries the head of the hacienda Las Tres Marías. For 10 points, name this novel that chronicles four generations of the Trueba family, written by Isabel Allende.**

ANSWER: *The House of the Spirits* [or *La casa de los espíritus*] <EF>

2. **One of these people was nicknamed “Captain Thunderbolt” after surprising a customs officer by banging loudly on a door. In a 1906 film produced by the Tait family about a group of these people, several of them form a suicide pact after the death of Joe Byrne. The ballads “Bold Jack Donahue” and “Wild Colonial Boys” were based on the lives of these people. Jimmy Governor, a mixed-race one of these people, inspired Thomas (*) Kenneally’s most famous novel. The most famous of these people wrote the Jerilderie Letter and was captured at a shootout at Glenrowan wearing homemade iron armor. For 10 points, name these people, often escaped convicts from penal colonies like Port Philip, who included Ned Kelly and were named for their habit of stealing sheep in the Australian countryside.**

ANSWER: **Bushrangers** [accept **Kelly Gang**, prompt on outlaws, thieves, answers of that nature] <AK>

3. **A 2004 Hans Fjellestad documentary on the life of this person discusses his influence on artists like Jean-Jacques Perry and Rick Wakeman. A company founded by and named for this longtime resident of Asheville, North Carolina has created products like the Little Phatty and the Taurus. This person’s best-known invention, created with Herbert Deutsch, contrasted with the (*) RCA Mark II in that it didn’t require punchcards and used two voltage-controlled oscillators. That invention by this person was used by Mort Garson to create *Mother Earth’s Plantasia*, and earlier by Wendy Carlos to perform her 1968 album *Switched-On Bach*. For 10 points, name this American inventor of a namesake synthesizer.**

ANSWER: Robert “Bob” **Moog** [accept **Moog synthesizer**] <WHM>

4. **These compounds are the targets of a 3,2-enoyl isomerase that acts before the hydration step of their metabolism. One of these compounds is given a 1,2-di-oxane ring by a cyclo-oxygenase as part of the synthesis of PGH2. These compounds bind carnitine to be translocated against free carnitine in the rate-limiting step of their metabolism. A thio-lytic retro-Claisen produces acetyl-CoA from these compounds in (*) beta-oxidation. PLA2 removes a phosphate head to produce the 20-carbon arachidonic example of *these* compounds, which has a near-terminal double bond that makes it an omega-6 unsaturated one of *these* compounds. For 10 points, name these compounds that are bound to glycerol in triglycerides and defined by a carboxyl group with a long carbon tail.**

ANSWER: **fatty acids** [prompt on acyl-CoA; prompt on lipids or fats; prompt on organic acids] <RRP>

5. In a story from this text, three men recount their political ambitions, while a fourth says he'd like to go swimming with some boys in the springtime. In this text, a man claims that he "lifts" one "corner" of an idea, but others must "bring back" the other three. This text describes the "cautious and [slow] speech" of the "gentleman" or "superior person," who is contrasted with the "small" or "petty" man. In one verse of this text, the central figure outlines his intellectual progress at intervals from ages (*) 15 to 70. This text compares a ruler who governs "by means of virtue" to the North Star. This text promotes the virtues of "humaneness and righteousness" or *rényì* [run-YEE], and it calls for the "rectification of names" and the practice of filial piety. For 10 points, name this book of sayings by Confucius.

ANSWER: Analects [or Lúnyǔ; accept Kǒngzǐ until "Confucius"] <MB>

6. In a painting by this artist, a woman in white looks out at the viewer while standing amid some trees and the pillar-like reflection of the sun or moon. The drypoint version of a work by this artist of *The Voice / Summer Night* depicts a blooming tree at the bottom, contrasting with the main scene's depiction of the artist's (*) bedridden sister. A painting by this artist shows a woman in a bonnet in front of an anonymous crowd of men in top hats. Two men look out at two small ships from a boardwalk in a painting by this artist that's dominated by a red sky. This painter included *Anxiety* and *The Sick Child* in *The Frieze of Life*, which also includes a painting of an open-mouthed man with his hands clutching his cheeks. For 10 points, who painted *The Scream*?

ANSWER: Edvard Munch [muhnk] <AR>

7. A book titled for this phenomenon introduced a political trilemma in which the author's least preferred choice is the "golden straitjacket." That book titled for the "paradox" of this phenomenon is by Dani Rodrik. The "product/process" distinction made by one organization is attacked in a book by Peter Singer titled for "the ethics of" this concept. It's not "civilization," but interventions against the externalities imposed by "hot money" are proposed in a book titled for this phenomenon and "its discontents" by Joseph (*) Stiglitz. A journalist described the tensions between development and tradition in this phenomenon through the symbols of a Lexus and an olive tree. Thomas L. Friedman's *The World is Flat* is a study of—for 10 points—what phenomenon of growing economic interconnectedness?

ANSWER: globalization [accept word forms like globalizing; prompt on international trade until "ethics"] <CS>

8. A collaboration led by Robin Vannote won the John Martin Award for their seminal paper on *these* features, which posited consequences of a decreasing CPOM:FPOM ratio. These features begin to entrain materials entering the top half of the Shields diagram, which has largely replaced the Hjulström plot. Catadromous organisms spend their adult life in these features, which can be dominated by (*) shredders when they receive enough detritus. The continuum concept states that the biological community responds to changes in these features' geomorphology and riparian communities. When these features slow down, they can deposit their suspended load on the inner edge of meanders. For 10 points, name these hydrological features that carry sediment to deltas.

ANSWER: rivers [or streams] <CM>

9. In a novel written in this language, a telegraph operator's bare butt is covered in stamps during sex. That novel is about a signalman who falls in love with a conductor during World War II. The author of *Closely Watched Trains* wrote in this language, as did an author who began a novel with a description of the island of Tana Masa given by Captain Von (*) Toch. That author also wrote a play in this language, in which a secretary is named Sulla, despite Miss Glory pointing out that Sulla is a man's name. That play written in this language opens with Domin telling Helena the story of the founding of the title factory. For 10 points, name this language used by Bohumil Hrabal, as well as the author of *R.U.R.*, Karel Čapek.

ANSWER: Czech [or Čeština] <WG>

10. In major keys, you can get the chord on *this* scale-degree by applying the Neo-Riemannian transformation R to the tonic. In Fuxian counterpoint, lines can only ascend by this interval's minor form. This interval names three chords that contain either the supertonic, the flat mediant, or neither. Those chords named for this interval are called "Italian," "French," and "German." The Dorian mode differs from the (*) natural minor scale only on this scale degree. In figured bass, this number denotes a triad in first inversion. This many half-steps make up a tritone. This scale degree is *not* raised in a harmonic minor scale, but it *is* raised going up the melodic minor scale. This scale degree is called the *submediant* since it's a third *below* the tonic. For 10 points, what scale degree is the note "A" in C major?

ANSWER: six [accept augmented sixth; prompt on submediant before mention] <EL>

11. It's not Algeria, but Adolphe Cremieux assisted in resolving an educational dispute in what is now this country during the Brody School Case. Opposition to this country's Commission of National Education resulted in a schism that saw the rise of the false messiah Jacob Frank and a religious leader who was known as the "Master of the Good Name." In this country and its eastern neighbor, Jews were finally granted rights to *habeas corpus* in the (*) Third of May Constitution, which was promulgated by its king Stanislaw Augustus. American Revolution hero Thaddeus Kosciuzcko [ko-SHOOSH-ko] led a failed uprising to secure this country's original borders. For 10 points, name this country that Austria, Prussia, and Russia divided up in three late-eighteenth-century Partitions.

ANSWER: Kingdom of Poland [or Polish-Lithuanian Commonwealth, or Congress Poland, or Królestwo Polskie] <ZF>

12. Note: a specific crime with the name of its victim is required, as in "the Lindbergh baby's kidnapping" The perpetrators of this crime took advantage of double jeopardy laws to brag about it in a *Look* magazine article by William Huie that referred to this crime as "approved." A witness in the trial for this crime, Moses Wright, ignored a death threat from one of its perpetrators by pointing at that man and saying "thar he". Marilyn Nelson wrote a crown of sonnets to commemorate this crime titled "A Wreath for" its victim. Mamie Bradley requested an (*) open casket funeral for this crime's victim, allowing him to be photographed for a *Jet* magazine cover. J.W. Milam and Roy Bryant committed this crime after its victim, who was visiting relatives from Chicago, allegedly whistled at Bryant's wife. For 10 points, name this 1954 crime widely credited as an inspiration for the Civil Rights Movement, in which an African-American boy was killed by two Klansmen in Money, Mississippi.

ANSWER: Murder of Emmett Till [accept lynching of Emmett Till, other answers related to Emmett Till being killed] <CM>

13. This poem includes a punning reference to its title object at the end of a line that opens with the speaker wondering "to whom I was like to give." Helen Vendler has argued that this poem's reference to a "frozen-ground-swell" is a pun on its author's name. The speaker of this poem describes hunters who "would have the rabbit out of hiding / to please the yelping dogs." This poem describes a (*) "one on a side" game that sees its figures using a spell to make stones stay in place until their "backs are turned." This poem's speaker repeats that "something there is that doesn't love" the title object of this poem, which is involved in a yearly ritual of dividing two farms. For 10 points, name this poem by Robert Frost that whose speaker declares "good fences make good neighbors."

ANSWER: "Mending Wall" <GC>

14. SNIPERs link highly specific binders to proteins used in *this* process like IAPs, which use it to inhibit apoptosis. CRLs involved in this process are created when proteins with the Really Interesting New Gene domain form a complex with Cullin. PROTAC drugs can inhibit non-enzymatic targets using proteins involved in this process like VHL. Though not acetylation, this process indicates active transcription at the site of (*) H2Bub ["H2 bub"]. Phosphorylation of Mdm2 affects its ability to regulate p53 via this process. The final stage of this process's three-enzyme cascade involves the formation of an isopeptide bond at a lysine residue catalyzed by E3 ligases. For 10 points, name this process that appends a very common 76-residue protein to tag targets for degradation.

ANSWER: **ubiquitination** [or **ubiquitylation**; accept answers indicating **attachment of ubiquitin**; accept **ubiquitin ligation**; prompt on **ligation** before "E3 ligase"; prompt on **apoptosis** before mentioned; prompt on **proteolysis** or protein **degradation**] <RRP>

15. A 2019 production of one of this composer's operas opens with the title character driving to a Burger King and then fleeing to an opera house, where he meets a shepherd who sings to the goddess Holda. The female protagonist of that opera by this composer repeatedly sings "I greet you!" at the end of an Act 2 aria about a "beloved hall." Act 3 of that opera by this composer includes the title character's hymn to the (*) Evening Star as well as a "Pilgrims' Chorus." In a recent production, the female title character of an opera by this composer does not die but is instead led away by King Marke after singing "Mild und leise," [milt oont "LIE"-zuh] which is traditionally labelled her "love-death" or *Liebestod* [LEE-buss-TOHT]. The Bayreuth ["bye"-ROYT] festival is dedicated to—for 10 points—what composer of *Tannhäuser* [TAHN-hoy-zuh] and *Tristan and Isolde*?

ANSWER: (Wilhelm) Richard **Wagner** <MJ>

16. An essay by this thinker closes by disputing Joseph Schumpeter's claim that consumers "*ipso facto*... evaluate the means of production" of goods. This thinker criticized what he called "rationalist constructivism," or the belief that institutions must be "deliberately designed" for human purposes, arguing in works like *The Sensory Order* that human psychology instead favors "spontaneous (*) orders." This author of "The Use of Knowledge in Society" wrote a book that was popularized by a twenty-page version in *Reader's Digest* and condensed its argument that central planning inevitably leads to totalitarian forms of government. For 10 points, name this Austrian School economist who authored *The Road to Serfdom*.

ANSWER: Friedrich August von **Hayek** <GE>

17. The term "*shituf*" is used by Jews to refer to doctrines that do not affirm this belief. An explicit statement of this belief is the first major divergence between the Nicene and Apostles' Creeds. A verse in the Qur'an states that people will believe in this doctrine while at sea but not after arriving safely on land. Andrew Lang and Wilhelm Schmidt argued that all primitive religions held some version of this belief, which is affirmed in the phrases "*lā* (*) *ʾilāha ʾillā llāh*" and "*Adonai ekhad*." The violation of this belief is known in Islam as *shirk*. The *Sh'ma* is a Jewish statement of this belief, which is known in Islam as *tawhid*, and which affirmed in the first part of the *shahada*. For 10 points, name this doctrine which states that there is only one God.

ANSWER: **monotheism** [accept descriptive answers like "**God is one**" or "**there is no God but Allah**" before the giveaway; accept **tawhid** before mention] <MB>

18. A man from this country briefly became president of the breakaway Republic of Kounani before it was re-annexed by Brazil. Opponents of Juan Manuel Rosas cultivated strong military and cultural ties to this country, leading this country to blockade Argentina twice and send a large wave of immigrants after Rosas was deposed. A city was built on the Maroni River to process new inmates for a (*) prison colony run by this country. This country occupied Veracruz after a chef had his shop ransacked by the Mexican police in the Pastry War. This country's defeat at the Battle of Puebla delayed its establishment of the Second Mexican Empire by a year and is celebrated on Cinco de Mayo. For 10 points, name this European country that administers an overseas territory in South America from Cayenne.

ANSWER: **France** [accept Republique **Francaise**, **French** Fifth Republic, **French** Third Republic, **July Monarchy**, or Second **French** Empire] <KF>

19. The formation of *these things* causes different diffusion rates between two metals at an interface in the Kirkendall effect. Electrically active examples of these things are studied by measuring capacitance transients at various temperatures in deep-level transient spectroscopy. The presence of these things gives rise to diffusion with a coefficient equal to the jump frequency times the lattice constant squared. The binding of electrons to these things forms F-centers, which change the (*) color of a material. Whether or not an atom becomes an interstitial or not distinguishes the Frenkel and Schottky type of these things. A vacancy is a type of these things in which an atom is missing from its usual lattice site. For 10 points, name these imperfections in crystals.

ANSWER: crystallographic **defects** [accept **vacancies** before mentioned; accept vacancy **defect**; accept point **defect**; accept **impurities**; accept **traps**; accept Schottky **defect**; accept Frenkel **defect**] <JS>

20. A character in this play is introduced as “Mr. Peacock” in order to conceal the fact that he criticized another character’s work in the *Observer*. That character later complains that he’s been “fucked by a dahlia” after a garden book reveals the identity of an amateur botanist who died of a monkey bite in Martinique. In this play, the butler (*) Jellaby circulates a rumor that two characters were seen engaging in a “carnal embrace” in a gazebo. The academic Bernard Nightingale ends up sleeping with Chloe in this play after his theory that Lord Byron killed Ezra Chater while staying at Sidley Park is disproved. For 10 points, name this play set in 1809 and the present day that features the teenage math genius Thomasina Coverly, a work by Tom Stoppard.

ANSWER: **Arcadia** <WG>

2020 WORKSHOP

Packet 1

Bonuses

1. Marc Bloch referred to this field as “the science of man” in a book about its methods that was written from memory while he was fighting in World War II. For 10 points each,

[10] Name this field of study that was addressed in a series of Cambridge lectures by E.H. Carr. Those lectures were adapted into a book titled *What is [this field]*?

ANSWER: **history** [anti-prompt on historiography]

[10] In 1962, this conservative British historian wrote a major attack on Carr in *Encounter* magazine. This rival of A.J.P. Taylor also mistakenly authenticated fake Hitler diaries and argued that precolonial Africa had no history.

ANSWER: Hugh **Trevor-Roper**

[10] In the “Storm over the Gentry”, Trevor-Roper argued with the Marxist Christopher Hill over the causes of *this* war. That debate centered on the class status of leaders of this war like Oliver Cromwell and Thomas Fairfax.

ANSWER: **English Civil Wars** [accept **Wars of the Three Kingdoms**] <JMA>

2. Most modern performers use Glenn Watkins’s edition when performing this composer’s *Tenebrae Responsories*. For 10 points each:

[10] Name this Italian composer whose madrigal “Moro, lasso, al mio duolo” [MOH-roh LAH-soh ahl myoh DWOH-loh] opens with the following chords in whole notes: [read slowly] “C-sharp major [pause] A minor [pause] B major [pause] D major.”

ANSWER: Carlo **Gesualdo** [jeh-ZWAL-doh] da Venosa

[10] Gesualdo wrote several pieces for the Ferrarese *concerto delle donne*, whose style anticipated *this* era of European music. This term is used for music between around 1600 and 1750, including Vivaldi and Pachelbel.

ANSWER: **Baroque**

[10] This Italian Renaissance composer wrote over 140 madrigals, even after he claimed to renounce secular music in the preface to his *Song of Songs*. One of his masses is named for a pope who allegedly planned to ban polyphony.

ANSWER: Giovanni Pierluigi da **Palestrina** (That’s the *Pope Marcellus Mass*.) <MJ>

3. Answer the following about honoring the dead in Chinese culture, for 10 points each.

[10] Many Chinese people offer these fragrant, flammable objects when visiting the graves of their relatives. One might see smoke coming from the burning of many of these objects in Chinese Buddhist temples.

ANSWER: **joss sticks** [or *xiànxīāng*; accept **incense** sticks; prompt on joss]

[10] During this Chinese holiday, many Chinese go to visit their ancestors’ graves and burn paper objects and money to wish them a prosperous afterlife. A long scroll painting by Zhāng Zéduān depicts a river on this holiday.

ANSWER: **Tomb-Sweeping** Festival [accept **Tomb-Sweeping** Day or **Ancestors’** Day or **Qīngmíng** Jíe]

[10] The Qingming Festival originated from *this* other festival often celebrated at the same time. It commemorates the death of Jie Zītūī [jyeh zuh-TWAY] in a mountain fire via a prohibition on lighting fires.

ANSWER: **Cold Food** Festival [or **Hánshí** Jíe] <JZ>

4. The name of a character in this story is derived from the word “transformation” and is possibly based on the Russian surgeon Serge Voronoff. For 10 points:

[10] Name this story in which Sharik is adopted by Dr. Preobrazhensky and implanted with a human pituitary gland and a pair of testicles.

ANSWER: *The **Heart of a Dog*** [or ***Sobachye syerdtsy***]

[10] After developing human traits, Sharik chooses a name with *this root word* after seeing it in an Orthodox Christian calendar.

ANSWER: **Poligraf** (The full name is Poligraf Poligrafovich Sharikov.)

[10] *The Heart of a Dog* was written by *this* anti-Bolshevik author of *A Young Doctor’s Notebook*, who also wrote *The Master and Margarita*.

ANSWER: Mikhail (Afanasyevich) **Bulgakov** <AR>

5. Sunday Assembly is a church-like organization for people with this religious identity, which is the fastest-growing in the United States today. For 10 points each:

[10] Name or describe this religious identity. Most people with this religious identity rarely attend church, synagogue, temple, or mosque.

ANSWER: **nonreligious** [or **none**, **agnostic**, **atheist**, etc., or any descriptive equivalents; accept but do not otherwise reveal **secular**]

[10] This 2007 book by Charles Taylor uses the term “nova effect” to describe the explosion of atheism in the West. This book dismisses the idea that people have lost religion to the “subtraction” of supernatural forces .

ANSWER: *A **Secular Age***

[10] This liberal religion has no particular creed, but rather affirms seven Principles and Purposes, including “A free and responsible search for truth and meaning.” It formed in 1961 from the merger of two Christian denominations.

ANSWER: **Unitarian Universalism** [or **UU**; prompt on partial answer; accept word forms] <MB>

6. Like aurorae, this phenomenon becomes blue and red from the emission spectra of nitrogen and oxygen, and its presence in the upper atmosphere was confirmed by observations from the Space Shuttle. For 10 points each:

[10] Name this phenomenon that was studied by the Sprites 94 mission, which discovered types of it like jets.

ANSWER: upper-atmospheric **lightning** [or mesospheric **lightning**; accept **transient luminous events** or **TLEs**; accept but **do not otherwise reveal** ionospheric **lightning**; prompt on **red sprites** or **blue jets**]

[10] Mesospheric lightning is linked to peaks in *these* extremely low-frequency waves, which are excited by lightning across the world. Multiplying their frequency with the Earth’s circumference approximates *c*.

ANSWER: **Schumann resonances** [prompt on **ELF** waves]

[10] Schumann resonances form due to interference in the cavity between Earth’s surface and *this* conductive atmospheric layer that’s created when solar radiation pulls electrons from the air.

ANSWER: **ionosphere** [accept Kennelly–**Heaviside** layer] <GH>

7. The *Meno* illustrates this theory by having a slave boy deduce how to double the area of a square. For 10 points each:

[10] Name this theory, according to which all “learning” is actually just rediscovering knowledge that we’ve had since birth. In the *Phaedo*, this theory is used to justify the immortality of the soul.

ANSWER: **recollection** [or **anamnesis**]

[10] *Meno* and *Phaedo* are dialogues by *this* ancient Greek philosopher.

ANSWER: **Plato** [or **Platon**]

[10] This other dialogue by Plato briefly characterizes memory as an aviary full of birds. Socrates compares himself to an intellectual “midwife” in this dialogue.

ANSWER: ***Theaetetus*** [thee-uh-TEE-tuss] <MB>

8. It's not John, but court records of a person with the surname Rykener and this *first* name may mark the first appearance of a trans woman in English history. For 10 points each,

[10] Give this first name shared by a queen who supposedly established a "Court of Love" in Poitiers, as well as a Castilian woman who was Edward I's first wife.

ANSWER: **Eleanor** [accept **Leonora**]

[10] Eleanor Rykener was a sex worker in *this* commercial neighborhood of London whose name initially referred to its plentiful markets, but later came to be associated with its low rents.

ANSWER: **Cheapside** [accept **West Cheap**]

[10] Eleanor seduced three knights who were studying at a local university while working as a seamstress in *this* city. Refugees from this city founded a university in Cambridge after a 1209 outbreak of town-gown violence.

ANSWER: **Oxford** [accept **Oxenforde**] <JM>

9. One of the many threats facing these ecosystems is bleaching, when environmental stresses like increased ocean temperatures cause certain organisms to expel symbiotic algae and die. For 10 points each:

[10] Name these biodiverse marine ecosystems, built around the hard skeletons of namesake cnidarians.

ANSWER: coral **reefs** [prompt on **coral**]

[10] These spiny echino-derms prey on coral. Overhunting of their primary predator, the Triton's trumpet snail, has caused outbreaks of *these* animals and devastated coral reefs.

ANSWER: **crown-of-thorns** starfish [or **crown-of-thorns** sea stars; or *Acanthaster planci*; prompt on *Acanthaster*; prompt on **starfish**; prompt on **sea stars**; prompt on **Asteroidea**]

[10] Coral reefs can be protected from excess algal growth by *these* other echinoderms, which include *Diadema*. These animals are also responsible for regulating kelp forests, which can be reduced to namesake "barrens" if they grow out of control.

ANSWER: sea **urchins** [or **Echinoidea**] <GH>

10. This poem's speaker contrasts his age with the addressee's youth, bemoaning "Thy lover's withering as thy sweet self grow'st." For 10 points each:

[10] Name this Shakespeare sonnet that, like Sonnet 99, breaks the form, in this case by consisting of six rhyming couplets. It also describes how Nature's skill "May time disgrace and wretched minutes kill."

ANSWER: Sonnet **126** [or **O thou, my lovely boy**, who in thy power]

[10] The *next* sonnet, number 127, begins a sequence about *this* persona, whose name was reinterpreted to signify Billie Holiday by Amiri Baraka. Sonnet 151's speaker complains that this person arouses his body to "treason."

ANSWER: **Dark Lady**

[10] Shakespeare's *other* irregular sonnet, Sonnet 145, breaks with convention by using *this* meter, which is one foot shorter than the one he uses most often. This meter has eight syllables per line in a weak-strong pattern.

ANSWER: **iambic tetrameter** [prompt on partial answer] <JR>

11. Eleanor Mannikka theorized that an image of this scene was used as a calendar, with its 91 *asuras* marking the distance between the winter and spring equinoxes. For 10 points each:

[10] Name this scene depicted in a twelfth-century bas-relief that shows dancing *apsaras* rising from where Vāsuki wraps himself around a tower that represents Mount Mandara.

ANSWER: The **Churning of the Ocean of Milk** [accept equivalents like **Churning the Sea of Milk** ; or **Samudra Manthan** or **Ko Samut Teuk Dos**]

[10] That depiction of the Churning of the Ocean of Milk is found at *this* Cambodian temple complex. Large stone heads of this temple’s creator, King Suryavarman II, line the road to it.

ANSWER: **Angkor Wat** [accept **Nokor Wat**]

[10] Like Prambanan and many other temple complexes, the Angkor Wat is meant to evoke *this* legendary mountain. The shrines of Balinese temples are named for this mountain, as is the Bri·hadi·shwara Temple in Thanjavur.

ANSWER: Mount **Meru** <GE>

12. The narrator of this essay recalls crying in “Chinese laundries” and being paralyzed by despair after realizing that “it is distinctly possible to stay too long at the Fair.” For 10 points each:

[10] Name this essay about the author’s disillusionment with New York City, ultimately leading her to depression. It is the last entry in a collection that also contains “On Keeping a Notebook” and “John Wayne: A Love Song.”

ANSWER: “**Goodbye to All That**”

[10] “Goodbye to All That” is one of many essays collected in this author’s *Slouching Towards Bethlehem*, which, along with collections like *After Henry*, was compiled into the collection *We Tell Ourselves Stories in Order to Live*.

ANSWER: Joan **Didion**

[10] Didion’s essay “Slouching Towards Bethlehem” is about the drug and hippie culture of the Haight-Ashbury district in this city. This city’s liberal drug culture also partially led the Beat Generation to center itself here.

ANSWER: **San Francisco**, California [or **SF** or **San Fran**] <EA>

13. Constant Nieuwenhuys spent the years 1959 through 1974 developing plans and models for one of these entities. For 10 points each:

[10] Name these entities. A manifesto by Ivan Chtcheglov [chit-CHI-gloof] argued that these entities should be defined by an emphasis on “free play.”

ANSWER: **cities** [accept equivalents like **urban** areas and more specific answers like utopian **cities**] (Constant’s utopian city was New Babylon; the manifesto is “Formulary for a New Urbanism”)

[10] Chtcheglov was a major influence on the concept of “psychogeography” associated with *this* international avant-garde movement. One of this movement’s members, Guy Debord, wrote *The Society of the Spectacle*.

ANSWER: **Situationism** [or **Situationist** International]

[10] Peter Ackroyd used the concept of psychogeography throughout his 2000 “biography” of this European city, one of whose chapter titles asks “Where is the cheese of Thames Street?”

ANSWER: **London** [or **London: The Biography**] <ES>

14. The Swatantra Party was founded in large part to oppose *this* policy regime, which was based on the ideology of the *swadeshi* movement. For 10 points each:

[10] Name this policy regime coordinated by a Planning Commission that was only abolished in 2014. This policy included high tariffs to encourage import-substitution industrialization and state control of over 30 industrial sectors.

ANSWER: **Licence Raj** [or **Permit Raj**; do not accept or prompt on just “Raj” or “British Raj”]

[10] The License Raj’s first wave of nationalizations was launched by *this* first prime minister of India and co-founder of the Non-Aligned Movement.

ANSWER: Jawaharlal **Nehru**

[10] During an economic crisis in the early ‘90s, *this* minister of finance under P. V. Narasimha Rao began to dismantle the Licence Raj, a project he continued as Prime Minister from 2004 to 2014.

ANSWER: Manmohan **Singh** <CS>

15. Silicon wafers called microstructured optical arrays are used to focus radiation in this regime. For 10 points each:

[10] Name this portion of the EM spectrum with wavelength on the order of typical lattice constants. Waves in this regime exhibit total *external* reflection, a phenomenon used to study surfaces in grazing-incidence small-angle scattering.

ANSWER: **X-rays**

[10] X-rays exhibit total external reflection because the real part of *this* quantity for X-rays is usually very slightly less than 1. For a medium, this quantity is the ratio of the speed of light in a vacuum to its speed in the medium.

ANSWER: **index of refraction** [or **refractive index**; prompt on *n*]

[10] The imaginary part of the complex index of refraction is named for *this* noun. Ewald and Oseen proved a theorem named for *this* noun that states that, when a beam of light excites electrons in a material, the field produced by the radiation from the electrons *exactly* cancels the field from the original beam of light.

ANSWER: **extinction** [accept **extinction** coefficient; or the Ewald-Oseen **extinction** theorem] <VD>

16. This actor starred in all three films of Hiroshi Inagaki’s *Samurai Trilogy*. For 10 points each:

[10] Name this actor whose more famous roles include the analogue to Macbeth in *Throne of Blood* and the bandit Tajomaru in *Rashomon*.

ANSWER: Toshiro **Mifune** [accept names in either order]

[10] Mifune starred as shoe company executive Kingo Gondo in *this* adaptation of Ed McBain’s novel *King’s Ransom*. In this film, the son of Gondo’s chauffeur is kidnapped instead of Gondo’s real son.

ANSWER: **High and Low** [or **Tengoku to Jigoku**]

[10] *Throne of Blood*, *Rashomon*, and *High and Low* were all collaborations between Mifune and *this* director of *Seven Samurai*.

ANSWER: Akira **Kurosawa** [accept names in either order] <ES>

17. Eating heavy water extends circadian rhythms because of this effect. For 10 points each:

[10] Name this effect in which reactions with different forms of the same element have different rates. This effect is most pronounced when replacing hydrogen with the significantly more massive deuterium.

ANSWER: **kinetic isotope** effect [prompt on **KIE**; prompt on partial answer]

[10] The concentration dependence of the kinetic isotope effect can distinguish between SN1 [S-N-“one”] and SN2 [S-N-“two”] mechanisms by determining which of *these* short-lived entities forms as an intermediate during a reaction.

ANSWER: **transition states** [prompt on **intermediates** before read]

[10] Theta-sub-nu, a constant with *these* units, can be used in place of the vibrational frequency to simplify the formula for the change in rate due to the kinetic isotope effect. That substitution is also used in the partition function to reduce the Boltzmann factor’s exponent to a ratio of terms with these units.

ANSWER: **Kelvin** [or **K**; accept vibrational **temperature**; prompt on **Fahrenheit** or **Celsius** with “What exact units would be used?”] <GH>

18. According to First Corinthians, whoever participates in this ceremony “in an unworthy manner” will “eat and drink judgment against themselves.” For 10 points each:

[10] Name this sacrament in which, according to Catholics, bread and wine are transformed into the body and blood of Jesus.

ANSWER: **Eucharist** [accept Holy **Communion** or the **Lord’s Supper**]

[10] Some Christians believe that *this* priest and king prefigured the Eucharist by bringing Abraham bread and wine in Genesis 14.

ANSWER: **Melchizedek** [or **malki-tzedek**]

[10] The Eucharist is also said to be prefigured by *this* substance, to which Jesus compares himself in John 6. In Exodus, this substance’s color is compared to frost, and its size is compared to coriander seeds.

ANSWER: **manná** [prompt on **bread** from heaven] <MB>

19. During this event, the New York Clearing House revealed Charles T. Barney’s association with Charles W. Morse, resulting in a run on Knickerbocker Trust. For 10 points each:

[10] Name this event during which J.P. Morgan locked bank officials in his library until they could find a resolution to United Copper’s failed buyout. Morgan ended this event by funding the New York Stock Exchange.

ANSWER: **Panic of 1907**

[10] The New York Clearing House was a precursor to *this* institution. This institution was founded by a namesake act under Woodrow Wilson to prevent recurrences of the Panic of 1907.

ANSWER: **Federal Reserve System**

[10] This senator’s namesake act with Edward Vreeland established the National Monetary Commission, which laid the groundwork for the Fed. This man brought European banking proposals to the Jekyll Island Conference.

ANSWER: Nelson W(ilmáth) **Aldrich** <GE>

20. The narrator of a short story titled for a “lesson” on this action suffers from a sunburn after her husband lies on top of her at the beach, and compares herself to “Cua-uh-té·moc under torture on the rack.” For 10 points each:

[10] Name this activity taught by Nacha to Tita de la Garza, who is the protagonist of a novel comprised of twelve sections that each begin with instructions on how to do this activity.

ANSWER: **cooking** [accept descriptions which involve **preparing food**]

[10] Rosario Castellanos, the author of “Cooking Lesson,” wrote “it is not a solution to” “deduce geometrical laws by counting / the beams of one’s solitary confinement cell,” an allusion to *this* author of *Reply to Sister Filotea*.

ANSWER: Sor **Juana** [or **Juana** Inés de la Cruz]

[10] Later in the book, Tita’s sister Gertrudis becomes a general in a revolution against *this* country’s president Porfirio Díaz after consuming a dish of quail in rose petals.

ANSWER: **Mexico** [or United **Mexican** States or Estados Unidos **Mexicanos**] <CMA>

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