

PACE NSC 2011

Edited by Mike Bentley, Matt Bollinger, Rob Carson, Kyle Haddad-Fonda, Hannah Kirsch, Trygve Meade, Bernadette Spencer, Guy Tabachnick, and Andy Watkins

Packet 21

Tossups

1. **Members of this community carried out the 1860 massacres at Dayr al-Qamr and Zahlah. One member of this group, Sultan al-Atrash, occupied Suwayda in 1925 and sparked the so-called “Great Revolt” against the French. Another leader of this community was Kamal Jumblatt, who was assassinated in 1977, likely on the orders of Hafiz al-Asad. Members of this community are the only non-(*) Jewish group widely represented in the Israel Defense Forces. This group traces its origins to the Persian Hamza ibn Ali, and to al-Hakim, a Fatimid Caliph who vanished in 1021. Represented by a five-pointed star, this is, for 10 points, what offshoot of Shi‘i Islam prominent in Israel, Syria, and Lebanon?**

ANSWER: Druze [or Durzi; or Duruz]

<Haddad-Fonda>

2. **This author wrote about the spoiled poet Jaromil, who dies of a cold at age twenty, in *Life is Elsewhere*. Tamina makes love to Hugo so that he will retrieve the letters she wrote to her dead husband in this man’s story, “Lost Letters.” In one of his novels, Marketa receives a postcard reading (*) “Optimism is the opium of the people!” from her boyfriend. This man wrote a novel composed of seven interlinking stories entitled *The Book of Laughter and Forgetting*. He wrote about Ludvik Jahn in *The Joke*, and about the philandering Tomas and his wife Teresa in his most famous novel. For 10 points, name this Czech author of *The Unbearable Lightness of Being*.**

ANSWER: Milan Kundera

<Bollinger>

3. **This quantity is given in terms of the s and p character of orbitals by Coulson's theorem, and it is predicted to be larger for singlet carbenes than triplets. An attempt to reconcile the optimal value of this quantity with that which is demanded by small cyclic hydrocarbons results in banana bonds. This quantity is dramatically smaller than predicted for hydrogen (*) disulfide because of lone pair donation into sigma star orbitals. This quantity is decreased in VSEPR theory when one replaces a substituent with an electron pair, because the electron pair is more repulsive and compresses the other substituents. For 10 points, give this measure, equal to approximately 109.5 degrees for methane and 104.5 degrees for water.**

ANSWER: bond angle [accept anything that indicates understanding that we're looking for the angle between bonds to an atom]

<Watkins>

4. In one story, this figure's eyes grow slanted from the sticks he once put under his eyes to stay awake all night; nevertheless, this figure awoke too late to take the name he wanted on the name-giving day. This being has the power to survive fatal wounds by hiding his vital organs inside his (*) tail. This figure once became the moon, but lost his position after he spied on the rest of the world. He created humans by rolling them out of balls of mud. For 10 points, name this canine trickster god in Native American mythology.

ANSWER: Coyote

<Bollinger>

5. In the lead-up to this event, George Clymer ineptly traveled the countryside in disguise, originally saying he was Henry Knox. During this event, Robert Johnson was tarred and feathered while John Neville was burned in effigy. Mediators at the conventions held to prevent this conflict from occurring included Albert Gallatin, a future Treasury Secretary, and (*) Hugh Henry Brackenridge. One side in this conflict was derisively nicknamed the Watermelon Army. After Governor Mifflin refused to raise the militia to suppress it, Lighthorse Harry Lee commanded the militia sent by George Washington to western Pennsylvania to quash it. For 10 points, name this rebellion which was sparked by an excise tax on the namesake drink.

ANSWER: Whiskey Rebellion

<Nediger>

6. One thinker associated with this movement criticized Laurence Kohlberg's theory of moral development in a work called *In a Different Voice*. Another thinker associated with this work wrote a work that described social interaction, and sexuality itself, as merely a series of performances. In addition to Gilligan and Butler, who wrote (*) *Gender Trouble*, other thinkers associated with this philosophical movement concentrate on describing the way that discrimination upholds patriarchy in Western society. For 10 points, name this branch of philosophy concerned primarily with establishing the equality of opportunity for women.

ANSWER: feminism

<Meade>

7. This country contains the northern part of Bukovina, including the city of Chernivtsi, once a center of Jewish culture. Demographics were completely changed in its far-western city of Lviv by a massive population transfer in the mid-1940s. This country's second most populous city, which is home to Freedom Square, was the capital of this country's eastern half when it was split in the 1920s; that city is called (*) Kharkiv. A major industrial area in the far east of this country is centered on the city of Donetsk and a coalfield in the Donbass region. This country's capital lies on the Dnieper River, while its largest port contains the Potemkin Stairs down to the Black Sea. For 10 points, name this country home to Odessa and Kiev.

ANSWER: Ukraine

<Haddad-Fonda>

8. One work by this artist features alternating lines from a Jonathan Edwards sermon and the Song of Solomon in its section “The Puritan”; that work is *American Document*. In one work by this choreographer, different dancers play the Maid, Warrior, and Martyr aspects of Joan of Arc. A woman dances solo near a bench in a dance this artist set to music by Zoltán Kodály, *Lamentation*. This artist’s *Seraphic Dialogue* and *Frontier* had a set designed by (*) Isamu Noguchi, as did another work she choreographed featuring the Revivalist and the Bride, who have solos in a section containing variations on the Shaker hymn “Simple Gifts.” For 10 points, name this modern dance choreographer who commissioned Aaron Copland’s ballet *Appalachian Spring*.

ANSWER: Martha Graham

<Tabachnick>

9. Fixed-field alternating gradient ones are employed in anti-cancer proton therapy. Early examples used sulfur hexafluoride to apply a static voltage of around thirty megavolts, while oscillating voltages are employed in more modern linear examples. One type of this structure employs a pair of D-shaped plates in conjunction with a single powerful (*) magnet. Mundane examples include cathode ray tubes, and many of these devices benefit from storage rings, particularly those that collide two beams. For 10 points, name these machines, which include the Tevatron and the Large Hadron Collider.

ANSWER: particle accelerators

<Watkins>

10. In this story, a mild laughter “pervade[s] the assembly” after musicians in an orchestra pause to ponder the peculiar sound made by a gigantic ebony clock every new hour. Merely three or four feet behind his target, the assailant of the title character is cut down by his own dagger. The setting of this story consists of (*) seven apartments whose decorations and stained glass match in color. Thousands of courtiers are locked in for a ball at the palace of Prince Prospero in this story. For 10 points, identify this story about the triumph of a sanguine affliction, written by Edgar Allan Poe.

ANSWER: “The Masque of the Red Death”

<Gupta>

11. In one election, this man emerged victorious in a race that saw the Communists mount a third-party challenge by Ernst Thälmann. His son Oscar was one of the four members of his “camarilla” of advisers. Although he largely owed one electoral victory to the Catholic Center Party, he subsequently dismissed the leader of that party, Heinrich Brüning, and he was elected to one post following the death of Friedrich Ebert. Before entering politics, he lent his name to a (*) defensive line that spanned from Verdun to Lens, and served as Field Marshall and commander of Erich Ludendorff during World War I. The second president of the Weimar Republic, for 10 points, name this man who agreed to let Hitler be his chancellor, and who lent his name to a dirigible that burst into flames over New Jersey in 1937.

ANSWER: Paul Ludwig Hans Anton von Beneckendorff und von Hindenburg

<Bentley>

12. This composer disregarded convention by putting three pairs instead of five into a collaboration with lyricist Richard Genée, “Frühlingsstimmen,” or “Voices of Spring.” With his younger brother, this composer wrote a work for glockenspiel and plucked strings named for the latter. He used a sustained A major violin tremolo with horns leading and wind chords following to produce the famous theme of another of his dances. One of his operettas takes its name from an orchestral piece named for his home city’s (*) “Blood,” while in another, Dr. Falke gets revenge on Eisenstein. The son of the composer of the Radetzky March, for 10 points, name this Austrian “waltz king” whose works include *The Blue Danube* and the operetta *Die Fledermaus*.

ANSWER: Johann Strauss the Younger [or Johann Baptist Strauss; prompt on Strauss; accept equivalents for “the Younger” like “Jr.” and “II”]

<Gupta>

13. A curious one of these entities, which can be said to be equal to 1 or 0, is named for Grandi. Archimedes used one of these objects to calculate the area of the title conic section in his treatise *The Quadrature of the Parabola*. The St. Ives riddle can be restated as solving a finite one of these. The (*) “hyper-” form of these entities involves summing rational functions of k ; that is, the quotient of polynomials $P(k)$ and $Q(k)$. These converge if the absolute value of the power of each term is less than 1, in which case they are equal at infinity to 1 over the quantity 1 minus the first term. For 10 points, name these series which consist of terms r to the k summed over k , which are often contrasted with arithmetic series.

ANSWER: geometric series [prompt on “geometric”; do not accept or prompt on “geometric sequence”]

<Tabachnick>

14. For much of the twentieth century, the harbor of this city contained a war ship called the *Aurora*. This city was built after the fall of Nienshants. A battle fought in this city saw the involvement of Naval Detachment K as well as a defensive group that split from the Northern Front along with the Karelian Front. A prominent 1934 assassination happened in this city’s Smolny Institute, a building which is now the governor’s mansion. Over one million residents of this city perished during fighting here, despite it being supplied by the (*) “Road of Life” across Lake Lagoda. Its founder is depicted on the Bronze Horseman, and it was besieged for 900 days by the Germans in World War II. Home to the Winter Palace, for 10 points, name this city that from 1713 until 1918 was the imperial capital of Russia.

ANSWER: Saint Petersburg [or Petrograd; or Leningrad]

<Bentley>

15. Helen gives one character in this work a potion to inspire good dreams, and another character uses the herb moly to rescue his companions. That character in this work is given shelter by the swineherd Eumaeus and is earlier found by (*) Nausicaa after spending seven years with the nymph Calypso. In this work, dangers encountered include the Laestrygonians, Scylla, and the Sirens. The protagonist of this work commits an impressive feat of archery before killing the suitors of his wife Penelope. For 10 points, name this epic about the namesake king of Argos told by Homer.

ANSWER: *The* Odyssey

<Bollinger>

16. This artist painted a work, separated by a wavy line into a yellow top and beige bottom, that includes his native flag in the top right and the word “Sard” in cursive on the bottom. That work is called *The Hunter* or named as a *Landscape* of his native region. A figure made up mostly of an eye and a foot stands beside an arrow-shaped creature with a red tuft in his (*) *Person Throwing a Stone at a Bird*. One of his paintings shows a white bird with a red and green tail flying above a ladder extending upward, while the title character, who has a yellow jaw and one blue leg, stands on a brown hill below a night sky. For 10 points, name this Catalan artist whose Surrealist works include *Dog Barking at the Moon*.

ANSWER: Joan Miró i Ferrà

<Tabachnick>

17. This disease is caused by the same mutation that, on a different gene, causes spinocerebellar ataxia. The protein associated with this disease helps mediate endocytosis by interacting with clathrin-binding proteins. A high-penetrance, early-onset form of this disease is called its akinetic rigid or (*) Westphal type. Excess glutamine residues called a polyQ sequence result from a series of CAG repeats that leads to buildup of this autosomal dominant disease’s namesake misfolded protein. For 10 points, name this disease whose symptom of uncontrollable, jerky movements led it to be dubbed its namesake’s “chorea.”

ANSWER: Huntington’s disease [or Huntington’s chorea before mention]

<Kirsch>

18. Along with Gene Weltfish, this anthropologist wrote a pamphlet which refuted biometric head measuring as a means of determining intelligence, insisting that every race had equal potential for intelligence. In one of this anthropologist’s best known works, this student of Franz Boas and author of “The Races of Mankind” studied newspaper clippings and classic novels and compared (*) “guilt” and “shame” cultures, writing about rituals like *seppuku*, while she also wrote a book which defined its title concept as the shared beliefs and experiences of a people. For 10 points, name this author of *The Chrysanthemum and the Sword* and *Patterns of Culture*.

ANSWER: Ruth Benedict

<Meade>

19. One matter considered at this event was whether bishops ordained by Melitius of Lycopolis would be allowed to retain their ordination, in addition to on what terms lapsed Christians could reenter the church. One compromise position adopted at this convention held was known as *homoousis*. Another question considered by this convention culminated in the adoption of a namesake creed; that question related to the relationship between the Father and the Son, contested between the Athanasians and the Arian heretics. For 10 points, name this first ecumenical council, convened in modern day Turkey.

ANSWER: Council of Nicaea

<Meade>

20. A young boy repeatedly insists that “all hunting stories are the same,” a claim refuted by his Baroness, in one of his works. That story, “Esme,” is found in the collection *Chronicles of Clovis*, and this author also penned the novels *When William Came* and *The Unbearable Barrington*. A story invented by a “self-possessed young woman” scares (*) Framton Nuttle away from Mrs. Stapleton’s house, which contains the titular orifice, at the end of one of his works, and Mrs. De Ropp is killed by the titular pole ferret that is worshiped by her cousin Conradin at the end of one of his short stories. For 10 points, name this British short story writer of “Sredni Vashtar” and “The Open Window,” who went by a one word penname.

ANSWER: Saki [or Hector Hugh Munro]

<Gaurav Kandlikar>

21. Richard Taylor tried to assist troops stationed here with an ultimately unsuccessful counter-attack against a regiment of black soldiers at Milliken’s Bend, while John Hunt Morgan almost crossed into Pennsylvania in an attempt to draw opposing forces from this city. Engagements in a campaign named for this city included the Battles of Champion’s Hill and Port Gibson, the latter of which resulted in troops under William T. Sherman turning the city of (*) Jackson into a “chimneyville”. Shortly after this city fell, another Union victory in the same theatre was secured in the Battle of Port Hudson. Confederates in this city finally surrendered on July 4th, 1863. For 10 points, name this site of a prolonged siege by Ulysses S. Grant to give the Union control of the Mississippi River.

ANSWER: Battle of Vicksburg [or Siege of Vicksburg; or Vicksburg Campaign]

<Rosenthal>

22. This poet commanded, “Thou shalt bring forth thy work as a child is born, staunching the blood of thy heart” in a list of ten rules for poets called the “Decalogue of the Artist.” In another poem, this author worried that “They would put her on a throne/where I could never see her.” This author wrote that “the earth will turn into a soft cradle, once it receives your body, like a child in pain” in another work. This poet urged that “Many of the things we need can wait. The child cannot” in an oft-quoted prose-poem. This author of (*) “Fear” and “His Name Is Today” won the Juegos Florales contest for a collection inspired by the suicide of Romelio Ureta. For 10 points, name this author of *Desolacion* and *Sonnets of Death*, a female Chilean poet.

ANSWER: Gabriela Mistral

<Bollinger>

23. One phenomenon that happens under this condition occurs in the presence of two narrowly separated metal plates; it is characterized by a force proportional to the negative fourth power of their separation. A difference between the energy of the 2s and 2p energy levels owes to the interaction between electrons and this entity. The (*) Casimir effect and the Lamb shift arise due to the properties of this condition, which was used by the Newcomen steam engine to drive a piston. In Gaussian units, permittivity and permeability are both one at this condition. For 10 points, name this phenomenon where a volume of space contains very little matter.

ANSWER: vacuum

<Watkins>

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Bonuses

1. This man was unsuccessful in capturing the Spanish-controlled city of St. Augustine in Florida, but did lead the defense against attacks at Fort Frederica. For 10 points each:

[10] Identify this one-time aide-de-camp to Eugene of Savoy who helped found a polity whose capital was defended by Augustine Prevost in a 1779 siege.

ANSWER: James Edward **Oglethorpe**

[10] James Oglethorpe is best remembered for founding this state, which he originally established as a debtor's colony.

ANSWER: **Georgia**

[10] During the War of Jenkin's Ear, British and Spanish forces fought at the Battle of Bloody Marsh in Georgia. Along with the Treaty of Madrid, British sovereignty over the colony was confirmed at this treaty which ended the War of Austrian Succession.

ANSWER: Second Treaty of **Aix-la-Chapelle** [or Treaty of **Aix-la-Chapelle** of 1748; or Second Treaty of **Aachen**]

<Bentley>

2. According to this type of number's namesake theorem, the number of them less than n is well approximated by n over the natural log of n . For 10 points each:

[10] Name these natural numbers that have precisely two divisors.

ANSWER: **prime** numbers [or **primes**]

[10] In this cryptographic protocol, primes are used as the modulus under which a shared base can be raised to two secret powers, with the resulting values traded in the clear to allow the exchange of the secret.

ANSWER: **Diffie-Hellman**-Merkle key exchange [or **D-H**]

[10] Another encryption technique is this one, in which the plaintext's letters are shifted a constant number of places. For example, with a shift of one, A becomes B, B becomes C, and so on until Y becomes Z and Z becomes A.

ANSWER: **Caesar** cipher [accept synonyms for "cipher," e.g. "code" or "shift"]

<Greenthal>

3. The prose style of this novel is based on the Jerilderie Letter. For 10 points each:

[10] Name this Booker Prize-winning novel which ends with the title character being sentenced to death after a shootout at Glenrowan.

ANSWER: **True History of the Kelly Gang**

[10] True History of the Kelly Gang was written by this Australian writer who also wrote Bliss and Illywhacker.

ANSWER: Peter **Carey**

[10] Carey won his other Booker for this novel about two gambling addicts who make a bet involving the transportation of a glass church across New South Wales.

ANSWER: **Oscar and Lucinda**

<Nediger>

4. This composer wrote much of a viola concerto as he was dying of leukemia. For 10 points each:

[10] Name this composer of *Music for Strings, Percussion, and Celeste* and a cycle of 153 piano pieces, *Mikrokosmos*. He also wrote an opera in which Judith goes into the title edifice, *Duke Bluebeard's Castle*.

ANSWER: Béla Viktor János **Bartók**

[10] Paul Hindemith also wrote extensively for viola, including many of his *Kammermusik* pieces. His other works include *Symphonic Metamorphoses on a Theme of* this composer of *Die Freischütz*.

ANSWER: Carl Maria von **Weber**

[10] This last completed work by Bartók parodies Shostakovich's *Leningrad* symphony in its "Intermezzo Interotto." As befits its name, every principal in this work gets a solo.

ANSWER: **Concerto for Orchestra**

<Kirsch>

5. This method took its name from an ancient Roman school of doctors, and one twentieth-century philosophical essay is named for "Two Dogmas of" it that the essay refutes. For 10 points each:

[10] Name this method later attributed back to John Locke and David Hume, which derives propositions from firsthand experience. It's often contrasted with rationalism.

ANSWER: **empiricism** [or **empirical** method]

[10] "Two Dogmas of Empiricism" is within a philosophic tradition named for this type of truth, as opposed to synthetic truths. The essay defines this type of truth as "propositions grounded in meanings."

ANSWER: **analytic** truths [or **analytic** philosophy]

[10] This American author of *Word and Object* claimed analytic truths were circular and questioned the analytic-synthetic distinction in his 1951 essay "Two Dogmas of Empiricism."

ANSWER: Willard van Orman **Quine**

<Jackson>

6. Particles emit Cherenkov radiation when they move faster than this rate in a given medium.
For 10 points each:

[10] Name this speed. Particles that move faster than this speed are called tachyons.

ANSWER: the speed of light [or c]

[10] Charged particles accelerating near the speed of light generate this form of acceleration when they are exposed to a certain field.

ANSWER: synchrotron radiation

[10] Name that field. Spectral lines are split by the presence of this field in the Zeeman effect.

ANSWER: magnetic field [or B]

<Watkins>

7. This play contains a narrative where a father gives each of his three sons a ring, one of which has the power to grant the wearer good will in the eyes of God. For 10 points each:

[10] Name that play that takes place in Jerusalem during the Third Crusade between the title character and Saladin.

ANSWER: Nathan the Wise [or Nathan der Weise]

[10] Nathan the Wise was a work by this German who wrote of Prince Hettore Gonzaga in *Emilia Galotti*.

ANSWER: Gotthold Ephraim Lessing

[10] Among the closest friends of Lessing was this German philosopher and leading figure of the Haskalah School of enlightened Judaism.

ANSWER: Moses Mendelssohn

<Cohen>

8. The exterior of this building used to reflect the sun and make the area around it unbearably hot. For 10 points each:

[10] Name this building whose exterior consists of curves of stainless steel, the home of the Los Angeles Philharmonic.

ANSWER: Walt Disney Concert Hall

[10] This architect designed the Walt Disney Concert Hall, as well as the Dancing House in Prague and the Guggenheim Bilbao.

ANSWER: Frank Owen Gehry [or Ephraim Owen Goldberg]

[10] This Gehry building in Seattle is shaped like several cut-up electric guitars. Nicknamed "The Hemorrhoids," it has a monorail that passes through it.

ANSWER: Experience Music Project

<Rosenthal>

9. This man and his brother Bleda negotiated a ceasefire with the Romans at the Treaty of Margus. For 10 points each:

[10] Name this military leader, known as the “scourge of god.”

ANSWER: Attila the Hun

[10] A force partially commanded by Flavius Aetius led to this 451 Roman victory that stopped the Hun’s westward expansion.

ANSWER: Battle of Chalons [or Battle of the Catalaunian Plains; or Battle of the Catalaunian Fields]

[10] Another participant in the Battle of Chalons was a Visigothic king of this name. A “great” king of the Ostrogoths of this name convicted Boethius of treason, prompting Boethius to write *The Consolation of Philosophy*.

ANSWER: Theodoric [or Theodoricus; or Theuderic]
<Cohen>

10. Answer the following about Chinese mythology, for 10 points each.

[10] There are four of these, collectively known as the Tian-wang. They are found on Mt. Meru, and they each have 91 sons.

ANSWER: Celestial Kings [or world protectors]

[10] These entities have to submit reports to Yuan-shi tian-zong annually. There are subsets of them who govern the cardinal points and the four oceans.

ANSWER: Dragon Kings [or Long Wang; do not accept “celestial dragon kings”]

[10] Also known as the Traveling Monk, this figure was hatched from a stone egg. The Jade Emperor mocked him by making him a stable boy.

ANSWER: Handsome Monkey King [or Sun Wu-Kong; or Pi Ma-Wen]
<Bollinger>

11. Production of this hormone is suppressed upon exposure to blue light. For 10 points each:

[10] Name this hormone that regulates the Circadian rhythm.

ANSWER: melatonin

[10] Melatonin is produced by this gland, a cone-shaped structure between the two hemispheres of the brain that tends to calcify with age.

ANSWER: pineal gland

[10] A methyltransferase creates melatonin from this neurotransmitter. Inhibitors of its reuptake are used to treat depression.

ANSWER: serotonin
<Kirsch>

12. For 10 points each, answer these questions about Mexican President Felipe Calderón.

[10] In 2011, Calderón marked this holiday by comparing the ongoing war against the drug cartels to the 1862 Battle of Puebla against the French.

ANSWER: **Cinco de Mayo**

[10] Calderón's 2006 election was contested by this rival from the Party of the Democratic Revolution, who still claims to be the "Legitimate President" of Mexico.

ANSWER: Andrés Manuel **López Obrador**

[10] In October 2007, Calderón entered into this unprecedented intelligence-sharing partnership with the United States to combat the drug cartels. This partnership is named for the capital of Mexico's Yucatán state.

ANSWER: **Mérida** Initiative

<Haddad-Fonda>

13. Botticelli made a "Cestello" version of this scene, some depictions of which show a dove flying toward Mary's ear. For 10 points each:

[10] Name this popular scene in which the archangel Gabriel tells Mary that she will bear Jesus.

ANSWER: the **Annunciation**

[10] This man painted the Annunciation on the left panel of a work which, when closed, shows a pained Christ being crucified, the Isenheim Altarpiece.

ANSWER: Matthias **Grünwald** [or Mathis **Gothardt**]

[10] The Annunciation is the central scene in this triptych whose right panel shows Joseph working with carpentry tools. It was painted by the Master of Flémalle, who was probably Robert Campin.

ANSWER: the **Mérode Altarpiece**

<Tabachnick>

14. These people give their namesake blessing with a certain formation of the hands. For 10 points each:

[10] Name this subgroup of Jews who were aided by the Levites and comprise the priesthood.

ANSWER: **Kohanim** [or **Kohein**]

[10] The first *kohein* was this brother of Moses.

ANSWER: **Aaron** the priest, son of Amram [or **Aharon** haKohein ben Amram]

[10] Aaron's two oldest sons, Nadav and Avihu, were struck down for committing this offense against God.

ANSWER: **offering strange fire** to the Lord [accept anything indicating an **unacceptable sacrifice**; prompt on partial answers about **sacrifices**]

<Greenthal>

15. David Lloyd George served in this office prior to becoming Prime Minister, in which capacity he crafted the “People’s Budget.” For 10 points each:

[10] Identify this office, in charge of the finances of Great Britain, and not to be confused with the First Lord of the Treasury.

ANSWER: **Chancellor of the Exchequer**

[10] One man to serve as both Prime Minister and Chancellor of the Exchequer was George Grenville, who passed this 1765 act. A Declaration of Rights and Grievances was written to protest this law by a namesake congress in the American colonies.

ANSWER: the **Stamp** Act of 1765 [prompt on **Duties in American Colonies** Act of 1765]

[10] Before becoming Chancellor of the Exchequer, George Canning helped orchestrate the 1807 attack on this city. Lord Nelson disobeyed Admiral Parker’s orders to stop attacking this European capital six years earlier.

ANSWER: **Copenhagen** [or **Kobenhavn**]

<Bentley>

16. This procedure is automated in academic labs using pressurized “flash” machines. For 10 points each:

[10] Name this procedure, which separates compounds due to their different relative affinity for the mobile and stationary phases.

ANSWER: column **chromatography**

[10] Metals such as zinc or copper are often used in this form of chromatography, used to separate fusion proteins with biotin or histidine tags.

ANSWER: **affinity** chromatography

[10] The Purnell equation gives the resolution between two peaks, which depends among other things on this quantity, which for a TLC plate is the ratio of the distance the spot traveled to the distance of the solvent front. It's usually symbolized R_f [“are eff”].

ANSWER: **retention factor**

<Watkins>

17. One of his poems ends by stating “Tis hard, I tell ye, / To choose 'twixt love and nausea, heart and belly,” as the narrator gets sea-sick. For 10 points each,

[10] Name this British poet of “The Channel Passage” who wrote that “That there's some corner of a foreign field / That is for ever England” in “The Soldier,” which is the last of his War Sonnets.

ANSWER: Rupert **Brooke**

[10] This other British poet also fought in World War I and wrote in his “Anthem for Doomed Youth” that the only “Passing-bells for those who die as cattle” are given by “stuttering rifles”.

ANSWER: Wilfred **Owen**

[10] This third World War I poet and friend of Owen wrote *Memoirs of a Fox-Hunting Man*, and many of his poems, such as “The One Legged Man” are collected in “The Old Huntsman.”

ANSWER: Siegfried **Sassoon**

<Gaurav Kandlikar>

18. This man led the Usuthu force to victory over his brother's Gqoza troops and was involved in his people's efforts to displace the Boers from Natal. For 10 points each:

[10] Identify this ruler who was captured by forces under Lord Chelmsford following the Battle of Ulundi.

ANSWER: Cetshwayo [or Cetewayo]

[10] Cetshwayo was a leader of these South African people, who fought a namesake war with the British in 1879. Shaka was another of their leaders.

ANSWER: Zulus [or amaZulu]

[10] A force of over 20,000 Zulus succeeded in defeating a much smaller British force at this January 22, 1879 battle fought on the same day as Rorke's Drift.

ANSWER: Battle of Isandlwana

<Bentley>

19. This work contains an essay on Rousseau that claims "there is nothing outside the text." For 10 points each:

[10] Name this foundational work of deconstructionism, written by the author of *Speech and Phenomena*.

ANSWER: Of Grammatology [or De la grammatologie]

[10] Name that author, whose other works include a comparison of the terms "differ" and "defer," which are encompassed in the same French term, in *Writing and Difference*.

ANSWER: Jacques Derrida

[10] Derrida's essay "Signature Event Context" considered the speech act theory of this philosopher.

ANSWER: John Langshaw Austin

<Watkins>

20. This novel turns on the rivalry between mail distributing firms Thurn und Taxis and Tristero, and features the LSD-prescribing Dr. Hilarius, a former Nazi mad scientist. For 10 points each:

[10] Identify this novel in which Oedipa Maas investigates the connection between the fictional *Courier's Tragedy* and a bunch of other weird stuff after the death of Pierce Inverarity.

ANSWER: *The Crying of Lot 49*

[10] This American novelist and famous recluse wrote *The Crying of Lot 49*, as well as novels like *Mason & Dixon* and *Gravity's Rainbow*.

ANSWER: Thomas Pynchon

[10] One of the few actual insights into Pynchon's personality can be found in the introduction to this novella collection, which includes "The Secret Integration" and "Entropy."

ANSWER: *Slow Learner*

<Ray>

21. Identify the following about some assorted military victories for Muslim armies, for 10 points each.

[10] The forces of Romanus IV Diogenes fell to a Seljuk army led by Alp-Arslan at this 1071 battle, often traced as the beginning of the end for the Byzantine Empire.

ANSWER: Battle of **Manzikert**

[10] The Byzantine Empire then lost control of Serbia in a 1389 battle with this name, fought at the Field of the Blackbirds. A Balkan country of this name seceded from Serbia in 2008.

ANSWER: Battle of **Kosovo** [or **Kosovoe** or **Kosova** or **Kocobo** or Republic of **Kosovo**]

[10] Very few Tang troops survived the Battle of the Talas River fought against the Abbasid Caliphate in this modern day country. More recently, this country saw the 2005 overthrow of the government of Askar Akayev.

ANSWER: **Kyrgyzstan** [or the **Kyrgyz** Republic]

<Bentley>

22. This poem notes that “those whose hands are steeped in filth abused your purest name, in name of hatred.” For 10 points each:

[10] Name that poem about a site that is a “steep cliff only,” where no monument stands.

ANSWER: **Babi Yar**

[10] Babi Yar was a poem by this post WWII Soviet poet and author of *Zima Junction*.

ANSWER: Yevgeny **Yevtushenko**

[10] Another Yevtushenko work was titled after the “The Heirs” of this world leader. The character of Napoleon in *Animal Farm* is an allegory of this leader.

ANSWER: Joseph Vissarionovich **Stalin** [or Ioseb Besarionis dze **Jughashvili**]

<Cohen>

23. Name some things about the nucleus, for 10 points each:

[10] This is the structure within the nucleus in which ribosomal materials are synthesized and assembled.

ANSWER: **nucleolus**

[10] The nuclear lamina, which organizes and supports the nucleus and helps regulate cell division, is made of these proteins whose diameter falls between that of actin filaments and microtubules.

ANSWER: **intermediate** filaments

[10] Breakdown of the lamina and nuclear envelope during mitosis is facilitated by this process, the attachment of a certain chemical group. It is often performed on tyrosine, serine, or threonine, particularly as a method of regulating cellular proliferation.

ANSWER: **phosphorylation**

<Kirsch>