

## Harvard Fall Tournament IX

Edited by Will Holub-Moorman and Raynor Kuang

Questions by Will Holub-Moorman, Raynor Kuang, Sriram Pendyala, Robert Chu, Mark Arildsen, Catherine Wu, Roger Jin, and Vimal Konduri



Round 3

Tossups

1. **For a Fermi gas at 0 Kelvin, this quantity is equal to the particle number times the Fermi energy. In the Eyring equation, the rate constant is given as an exponential prefactor times  $e$  to the negative of this quantity for the transition state, over  $RT$ . At constant pressure and temperature, the partial derivative of this quantity with respect to particle number is equal to the (\*) chemical potential of a system. The change in this quantity for a reaction at standard state is equal to negative  $RT$  times the natural log of the equilibrium constant, which means it is zero at equilibrium. A negative value for the change in this quantity signifies a spontaneous reaction. For 10 points, name this thermodynamic state function abbreviated  $G$ .**

ANSWER: **Gibbs free energy** [accept **chemical potential** before “Eyring is read.” Prompt on “ $G$ ” before mentioned; prompt on “free energy”]

2. **This composer’s final piano concerto opens with three cadenzas separated by the orchestra playing three chords in a I-IV-V7 [one-four-dominant seventh] progression in E-flat major. A piano work by this composer opens with the right hand playing G sharp-C sharp-E triplets over an octave C sharp in the left hand, which descends to an octave B. The second movement of this composer’s F major sixth symphony features a (\*) woodwind cadenza in which the instruments imitate bird calls, and is titled “By The Brook.” This composer’s fifth symphony opens with a G-G-G-E flat motif. For 10 points, name this composer of the *Pastoral* Symphony and the *Moonlight Sonata*.**

ANSWER: Ludwig van **Beethoven**

3. **An 1892 outbreak of this disease led a mob in Tashkent to force themselves from the Asian side of the city to the Russian side. The first major outbreak of this disease may have been caused by a Kumbh Mela pilgrimage in Jessore. After breaking off his affair with America Vicuna, a character uses the threat of this disease to prevent a riverboat carrying him and (\*) Fermina Daza from docking. A pump on Broad Street was determined to be the source of an 1854 outbreak of this disease in London by John Snow. For 10 points, name this disease spread through water contaminated with fecal matter, which appears in the title of a novel titled for “love in the time” of it.**

ANSWER: **cholera** [accept *Love In the Time of Cholera*]

4. **This thinker argued that collective human reasoning, rather than moral duty, creates the ideal of a “highest good.” This thinker distinguished between desire-based “maxims” and universally-applicable “laws.” This thinker developed twelve categories of understanding in a work that employs the example of the equation of “seven (\*) plus five equals twelve” to show the difference between analytic and synthetic truths. This thinker confirmed the possibility of synthetic a priori truths and introduced the idea of the “thing-in-itself.” For 10 points, name this creator of the categorical imperative, a German who wrote the *Critique of Pure Reason*.**

ANSWER: Immanuel **Kant**

5. One character in this play tells another that she can hear his thoughts ticking like a clock, and that he has “stolen” her face. Another character in this play is obsessed with looking at herself in mirrors, which leads a different character to offer to be her “looking-glass.” In this play, a door swings open on its own after a character pounds on it to (\*) get out, but decides not to walk through it. That character, a journalist who describes being shot for attempting to desert during a war, is named Garcin, and declares to his companions Inez and Estelle that “Hell is other people.” For 10 points, name this play set in a room in the afterlife, a work by Jean-Paul Sartre.

ANSWER: No Exit [or Huis Clos]

6. A hypothetical particle named after this scientist is a black hole whose Compton wavelength is equal to its Schwarzschild radius. Relations between the Einstein coefficients can be found through equating the expected radiation intensity to that predicted by this man’s namesake law. This scientist names a set of units also called God’s units. A law named after this man superseded the (\*) Rayleigh-Jeans law and solved the problem of the ultraviolet catastrophe in blackbodies. The energy of a photon is equal to its frequency times this man’s namesake constant. For 10 points, name this German theoretical physicist whose constant is symbolized lowercase h.

ANSWER: Max Planck

7. At the end of one of this director’s films, a character is hit by three spitballs before receiving a flower from a character who recognizes him by feeling his hand. In another of this man’s films, a character is attacked by a corn-on-the-cob while strapped into an eating machine. That character is fired from his job as a night watchman at a department store for letting an orphan girl sleep in one of the store’s beds, and is fed through the (\*) gears of an assembly line machine. This director parodied Adolf Hitler in his first “talkie,” *The Great Dictator*. For 10 points, name this American actor and director, best known for the silent films *City Lights* and *Modern Times*.

ANSWER: Charlie Chaplin

8. This event is immediately preceded by the first of a set of three dreams involving an angel in the Gospel of Matthew and is immediately followed by the Song of Simeon in the Gospel of Luke. After this event occurs, one figure “kept all these things and pondered them in [the] heart.” This event took place during the (\*) Census of Quirinus, and after hearing of this event, the Massacre of the Innocents was ordered by King Herod. This event is described by “good tidings of great joy,” and it is announced to three Magi who follow the Star of Bethlehem to its site. For 10 points, what Biblical event is typically portrayed in a manger with Mary, Joseph, and the Son of God?

ANSWER: the birth of Jesus [accept equivalents, including Nativity]

9. This civilization measured objects using a standard cube known as a *gur*. One of its cities contained the House of the Aquifer and was legendarily ruled by two kings over a period of 64,800 years. A ruler of this civilization who was replaced by Lugulanda attempted to combat corruption by issuing a legal code from (\*) Lagash. Another city belonging to this civilization contained a temple to Nanna known as the Great Ziggurat. This civilization was conquered by Sargon, whose Akkadians defeated forces from here at the Battle of Uruk. For 10 points, name this civilization which developed cuneiform script and contained the city of Ur, the earliest civilization of Mesopotamia.

ANSWER: Sumerian

10. **This artist re-painted the background of one of his works to be more vivid after seeing John Constable's *The Hay Wain*. In another painting by this artist, a black woman walks away from a group of three figures seated around a hookah. This artist showed an (\*) Ottoman soldier atop a rearing horse on the right of a painting depicting the aftermath of an attack on a Greek island, and a topless woman in a yellow dress strides over dead bodies holding a flag in this man's best-known work.** For 10 points, name this artist of *The Women of Algiers*, *Massacre at Chios*, and *Liberty Leading the People*.

ANSWER: Eugene Delacroix

11. **The efficiency of this process can be measured by its P/O ratio. The plant toxin rotenone, the barbiturate amytal, and the antibiotic antimycin are inhibitors of this process, while FCCP, 2,4-dinitrophenol, and thermogenin are uncouplers of this process. The Q-cycle is a component of this process which allows one protein complex to (\*) pump protons against their concentration gradient. In this process, cytochrome c moves electrons between complex III and complex IV. That latter complex is inhibited by cyanide ions. NADH and FADH<sub>2</sub> feed into this step of cellular respiration to generate ATPs.** For 10 points, name this process which occurs on the inner mitochondrial membrane and results in the reduction of oxygen.

ANSWER: mitochondrial Electron Transport Chain [accept oxidative phosphorylation; prompt on "respiration"; do not accept or prompt on "photosynthesis" or if they give ETC but also mention photosynthesis or chloroplasts, as that's a different process]

12. **One poem by this author notes how "Hope had grown grey hairs" and in its last stanza lists off "Pride, rose, prince, hero of us, high-priest." The speaker of another of this author's poem's exclaims "O my chevalier!" after earlier praising "Brute beauty and valour and act." That poem by this author begins with the speaker describing how he "caught this morning (\*) morning's minion." This author penned a curtal sonnet ending with the line "Praise him" and beginning with the declaration "Glory be to God for dappled things."** For 10 points, name this poet who employed sprung rhythm in works such as "The Windhover" and "Pied Beauty."

ANSWER: Gerard Manley Hopkins

13. **In a case centering on a three-word phrase criticizing this practice, Justice Harlan wrote that "one man's vulgarity is another man's lyric"; that case is *Cohen v. California*. Pamphlets advocating the obstruction of this practice were ruled to pose a "clear and present danger" in (\*) *Schenck v. US*. In July of 1863, anger related to \$300 exemption fees in this practice led to race riots in New York City. A "lottery" associated with this practice was run on December 1, 1969, and the Selective Service Act reintroduced this practice in 1917.** For 10 points, name this government practice used to conscript citizens into mandatory military service.

ANSWER: the draft [accept descriptive equivalents, such as mandatory conscription, prompt on "war" or "the army"]

14. **This period saw the decline of a system dividing the government into Departments of Worship and State called the Taiho Code. The monk Kukai helped establish Shingon Buddhism during this period, the end of which was rocked by the Hogen Rebellion. The Battle of Dan-no-ura occurred at the end of this period during the Genpei War, which saw the (\*) Taira Clan defeated by the Minamoto clan. This period began with the establishment of Kyoto as capital.** For 10 points, name this period of Classical Japanese history, which lasted from 794 to 1185, and which was succeeded by the Kamakura Shogunate.

ANSWER: Heian Period

NOTE TO MODERATOR: Look over the prompt line before reading this question.

15. **A member of this profession survives for six days after being dropped off a cliff, and accidentally seduces his niece Antonia. A blind character of this profession describes a certain book on comedy as having the “poison of a thousand scorpions.” This profession titles the best-known novel of Matthew Lewis. A character of this profession interviews the families of the victims of a (\*) bridge collapse near Lima in a book by Thornton Wilder. William of Baskerville investigates the murders of seven members of this profession in Umberto Eco’s *The Name of the Rose*. For 10 points, name this profession whose own literary output consisted of illuminated manuscripts.**

ANSWER: **monks** [If a player answers “librarian,” prompt by asking for a more general answer. Prompt on “priests” or other religious positions]

16. **In one story by this author, groups of children make xylophones out of the ribcages of chicken pox-inflicted corpses. In a novel by this author, the protagonist watches the execution of an innocent man whom the government claims is him on TV after escaping across a river and meeting Granger. This author described the fruitless activities of an empty, automated (\*) house in his story “There Will Come Soft Rains.” The Mechanical Hound pursues Guy Montag in a novel by this author that opens with the line “It was a pleasure to burn.” For 10 points, name this American author of *The Martian Chronicles* and *Fahrenheit 451*.**

ANSWER: Ray **Bradbury**

17. **The Magnificent Seven is an informal name given to a group of isolated, young varieties of these objects located between 200 and 500 parsecs from Earth. A Thorne-Zytkow object is a theoretical type of star where one of these bodies is placed at the center of a red giant or supergiant. Starquakes can increase the (\*) rotational frequency of these bodies. A theoretical upper bound on the mass of these stars is approximately 3 solar masses by the Tolman-Oppenheimer-Volkoff limit. One subclass of these stars emit regular, periodic bursts of radiation; those are pulsars. For 10 points, name these extremely dense stars composed of a namesake type of baryonic particle.**

ANSWER: **neutron** star [anti-prompt (ask for less specific) on “pulsar” or “magnetar”]

18. **A letter written by this leader which referred to his people as “faithful Muslims” was criticized in a response by al-Jabarti. This leader defied the wishes of his adopted son in executing large numbers of prisoners following a siege of Jaffa. This leader introduced the formation of the “divisional square” while defeating (\*) Murad Bey, and defeated the Ottoman Army at the Battle of Aboukir Bay. During that campaign, the *Armée d’Orient* of this leader won the Battle of the Pyramids and found the Rosetta Stone. For 10 points, name this leader who unsuccessfully campaigned in Egypt in 1801, and also had his “Hundred Days” ended by a defeat at the Battle of Waterloo.**

ANSWER: **Napoleon I Bonaparte** [accept either underlined part; do not accept any other Napoleons]

19. **A major infrastructure project begun in this country in 1999 is the Golden Quadrilateral highway system, and this country saw protests in 2006 over the implementation of reservations for so-called “Other Backward Classes.” This country, which signed the “123” civilian nuclear agreement with the US, recently gained the new state of Telangana and elected a prime minister accused of turning a blind eye to mass killings in (\*) Gujarat in 2002. A brutal 2012 gang-rape in this country led to the reform of sexual assault laws. This country gave power to the BJP and its leader Narendra Modi in its 2014 elections. For 10 points, name this most populous democracy in the world.**

ANSWER: Republic of **India** [or **Bhārat** Ganarājya]

20. **This god's son Narfi was killed by his other son Vali. This god borrows a net from Ran and uses it to catch the dwarf Andvari, from whom he extorts a cursed ring. A giant with the same name as this god prefixed with the term "Utgard" pitted this god in an eating race against fire. With the stallion Svadilfari this god mothered the horse (\*) Sleipnir, and with the giantess Angrboda this god fathered Hel and Jormungandr. This husband of Sigyn causes earthquakes when he writhes due to the venom a snake drips on his head, a punishment from the other gods for tricking Hoder into killing Baldr with a poisoned mistletoe dart. For 10 points, name this Norse trickster god.**

ANSWER: Loki

21. **The younger brother of a major figure during this conflict was allegedly executed by being drowned in a butt of malmsey wine. Two sides of this conflict reconciled in a noble procession known as "Love Day." Edward IV defeated the forces of Margaret of Anjou at the Battle of Tewkesbury during this conflict, which saw the Earl of (\*) Warwick gain the title "kingmaker." The remains of the final king to rule during this conflict were found in 2012, and that man was defeated by Henry VII at the Battle of Bosworth Field during this conflict. For 10 points, name this conflict that resulted from a succession dispute between the houses of York and Lancaster and is named for their heraldic badges.**

ANSWER: Wars of the Roses

## Bonuses

1. Answer the following about folk music from around the world, for 10 points each:

[10] This Mexican folk music which evolved from the *son jalisciense* [ha-lee-see-EN-say] is usually played by an ensemble of several violinists, two trumpeters, and one or more guitars. Sombreros are not required.

ANSWER: **mariachi**

[10] Romanian music heavily influenced this Ashkenazi folk genre, which often sees a lead violin accompanied by other violins and a cimbalom.

ANSWER: **klezmer**

[10] In the mid-19th century, this instrument began to overtake the violin as the instrument of choice in klezmer, which may have influenced later jazz players of this instrument, including Artie Shaw and a “King of Swing” who produced a cover of the song “Sing, Sing, Sing.”

ANSWER: **clarinet** [the “King of Swing” is Benny Goodman]

2. This letter is used to represent the linear thermal expansion coefficient of a substance. For 10 points each:

[10] Name this Greek letter used to represent a type of radiation composed of helium nuclei, usually paired with beta.

ANSWER: **alpha**

[10] Alpha is also used to represent this coupling constant of the electromagnetic interaction. Its value is equal to the square root of the ratio of the classical electron radius and the Bohr radius.

ANSWER: **fine structure** constant

[10] Another use for alpha is the quantification of the temperature dependence of this value. For a wire in a circuit, this value is proportional to the length of the wire and inversely proportional to its cross-sectional area.

ANSWER: **resistance**

3. Mount Robson is the most prominent peak in this 3,000-mile long mountain range, which stretches from the Liard River in Canada to the Mexican border. For 10 points each:

[10] Name this mountain range, whose namesake National Park in Colorado is home to the Never Summer Mountains.

ANSWER: **Rocky** Mountains [or the **Rockies**]

[10] This subrange of the Rockies can be found in a Wyoming national park named for the “Grand” one of these mountains. It contains Mount Moran and the Cathedral Group.

ANSWER: **Teton** Range

[10] This other Wyoming subrange of the Rockies lies south of a namesake river that flows into the Bighorn. This range contains Gannett Peak, Wyoming’s highest point.

ANSWER: **Wind River** Range

4. Name the following techniques used in biotechnology, for 10 points each:

[10] Name this technique used to detect RNA. Samples are first run on a gel, and then RNA probes are hybridized to reveal locations of RNA bands. This technique takes its name from its similarity to another technique that has an “opposite” name and which is actually named after someone.

ANSWER: **Northern** blotting [Prompt on “blotting”; the other technique is Southern blotting]

[10] This component of TAE and TBE buffer is included in gel electrophoresis to chelate magnesium ions and prevent degradation of DNA.

ANSWER: **EDTA** [or **ethylene diamine tetraacetic acid**]

[10] This general process has successfully birthed the animals Copy Cat and Dolly the sheep, though it’s much easier on the unicellular level due to the tendency of bacteria to produce asexually.

ANSWER: **cloning**

5. This composer wrote six string quintets, all of which feature an extra viola. For 10 points each:

[10] Name this composer. He also wrote six string quartets dedicated to Haydn, the last of which is nicknamed for the “Dissonance” that begins its first movement.

ANSWER: Wolfgang Amadeus **Mozart**

[10] Mozart wrote twenty-seven of these works for an instrument and orchestra, the best-known of which are numbers 20, 21, and 23. Complete recordings of them have been released by Alfred Brendel and Murray Perahia [pur-EYE-uh].

ANSWER: **piano concertos**

[10] Franz Sussmayr completed this large-scale mass for the dead in D minor left unfinished by Mozart at the time of his death.

ANSWER: **Requiem**

6. This leader put a two million dollar bounty on the head of the defector Ion Mihai Pacepa, who was previously a general with in his secret police, the Securitate. For 10 points each:

[10] Name this communist successor to Gheorghe Gheorghiu-Dej who was tried and executed, along with his wife, in December of 1989.

ANSWER: Nicolae **Ceaușescu** [chow-SHES-ku]

[10] Ceaușescu was the leader of this eastern European nation with capital at Bucharest.

ANSWER: **Romania**

[10] Ceaușescu delivered a speech in 1968 condemning the Warsaw Pact invasion of this nation. The Velvet Revolution took place in this country in 1989.

ANSWER: **Czechoslovakia** [Do not accept “Czech Republic”]

7. In 1865, the gunboat *Michigan* put down one of these actions by mine workers on the Upper Peninsula. For 10 points each:

[10] Name these labor actions involving work stoppages and walkouts. A general one involves a coordinated effort in which a majority of workers walk off the job.

ANSWER: **strike**

[10] This fraternal workers’ organization headed by Terence Powderly grew out of Uriah Stephens’ union of Philadelphia tailors. It organized both the Union Pacific and Wabash Line railroad strikes in the 1880s.

ANSWER: Noble and Holy Order of the **Knights of Labor**

[10] Sugar cane workers affiliated with the Knights of labor were the victims of an 1887 massacre in this state’s city of Thibodaux. The “Jena Six” were convicted of beating a high school student in this state.

ANSWER: **Louisiana**

8. For each element in a group, some element must exist such that their product under the group operation is equal to the identity. For 10 points each:

[10] Name the term used to describe that element. Less strictly speaking, when this operation is applied to a function of  $x$ , it “undoes” that function and returns another function whose composition with the original function is  $x$ .

ANSWER: **inverse**

[10] In group theory, this theorem states that for a homomorphism  $\phi$  mapping elements in group  $G$  to group  $H$ , there exists a group isomorphism between  $G$  mod the kernel of  $\phi$  and the image of  $\phi$ .

ANSWER: **first isomorphism** theorem

[10] An abelian group has this property between its elements. In general, matrix multiplication does not have this property.

ANSWER: **commutativity** [accept **commute** or other word forms]

9. One character in this book, Hafen Slawkenbergius, writes a treatise on noses, and this book's title character has his nose flattened by Dr. Slop. For 10 points each:

[10] Name this work in which Uncle Toby's "hobby-horse" is re-enacting battles with Corporal Trim.

ANSWER: *The Life and Opinions of **Tristram Shandy**, Gentleman*

[10] After a couple of characters enter the house of Mrs. Wadman in Tristram Shandy, the reader encounters two chapters with this quality. A chapter in *The Tale of Genji* titled "Kumogakure" also has this quality.

ANSWER: it's **blank** [accept equivalents]

[10] This event in *Tristram Shandy* doesn't occur until the book's fourth volume, which may explain why it begins with Tristram narrating from inside his mother's womb.

ANSWER: Tristram Shandy's **birth** [accept equivalents]

10. The energy of these structures can be calculated by the Kapustinskii equation. For 10 points each:

[10] Name these periodic, ordered arrays of atoms, ions, or molecules that comprise solid structures. They can be categorized into seven types including rhombohedral and cubic.

ANSWER: crystal **lattice** [prompt on "crystal"]

[10] With Born, this man names an empirical method to calculate the lattice energy of an ionic compound based on Hess's law. With Bosch, this man names a process that can produce ammonia.

ANSWER: Fritz **Haber**

[10] This material-specific constant is a prefactor in the Born-Mayer equation for the calculation of lattice energies. Named after a German physicist, its value for a specific ionic solid is dependent on crystal geometry.

ANSWER: **Madelung**'s constant

11. An intellectual is haunted by visions of Edward Said and Susan Sontag in this author's short story "Dreaming of the Dead." For 10 points each:

[10] That story appears in this author's collection *Beethoven Was One-Sixteenth Black*. Her other collections include *Jump* and *The Soft Voice of the Serpent*.

ANSWER: Nadine **Gordimer**

[10] Gordimer is best known for this novel centering on the Smales family's experiences in the village of their servant during a civil war.

ANSWER: **July's People**

[10] This home country of Gordimer is also the setting of *July's People*, in which that aforementioned civil war is over the issue of apartheid.

ANSWER: Republic of **South Africa**

12. This empire used knotted ropes known as *quipu* as record-keeping devices. For 10 points each:

[10] Name this South American empire centered at Cuzco.

ANSWER: **Incan**

[10] This Incan system of forced resettlement took citizens of loyal provinces and moved them to recently conquered provinces. It's similar to the Incans' system of forced public service, the *m'ita*.

ANSWER: **mitma**

[10] This emperor was the penultimate ruler of the Incan Empire. He vied with his half brother Atahualpa for control of the throne.

ANSWER: **Huáscar**



13. In a novella by this author, a character dies of malaria after visiting the Coliseum in Rome. For 10 points each:

[10] Name this author of *Daisy Miller*, who wrote about the heiress Isabel Archer in *The Portrait of a Lady*.

ANSWER: Henry **James**

[10] This other novella by James is framed as a reading of a manuscript by a governess who looked after the children Miles and Flora on an Essex estate haunted by the ghosts of Peter Quint and Miss Jessel.

ANSWER: *The **Turn of the Screw***

[10] James wrote an 1879 book-length study of this earlier author in which he ranked this author's novels. This author wrote about a search for a gem in the White Mountains in his story "The Great Carbuncle," and wrote about a doctor who provides his friends with water from the Fountain of Youth in another.

ANSWER: Nathaniel **Hawthorne**

14. For 10 points each, follow the chain of death throughout the Trojan War:

[10] This prince used an arrow guided by Apollo to strike Achilles in the heel and kill him. This man was responsible for starting the war by abducting Helen with the help of Aphrodite, who won this man's namesake judgment.

ANSWER: **Paris**

[10] Achilles himself slew this Trojan hero after this hero killed Achilles's best buddy Patroclus. This hero was married to Andromache and was the father of Astyanax.

ANSWER: **Hector**

[10] Patroclus had killed this Lycian king and grandson of Bellerophon. Zeus nearly intervened in this man's death, but decided not to show favoritism.

ANSWER: **Sarpedon**

15. In one painting by this artist, the Virgin sits on a rock reading a book as the infants John the Baptist and Jesus touch the title bird. For 10 points each:

[10] Name this artist of *Madonna of the Goldfinch*, who also produced a famous portrait of Pope Julius II sitting against a green background.

ANSWER: **Raphael** [or Raffaello Sanzino di **Urbino**]

[10] Raphael's *La Disputa* and *The School of Athens* are among a set of frescos he painted for this set of four rooms in the Palace of the Vatican.

ANSWER: the **stanze** [prompt on "Raphael Rooms"; accept **Stanza della Signatura**]

[10] Pope Julius II also commissioned this artist and rival of Raphael to paint the ceiling of the Sistine Chapel.

ANSWER: **Michelangelo Buonarroti** [accept either]

16. Answer the following about the unlikely intersection of shadows and government, for 10 points each:

[10] Shadow plays featuring the stock characters of Karagoz and Havicat were promoted by rulers of this empire such as Sultan Selim I.

ANSWER: **Ottoman** Empire

[10] Shadow cabinets are a component of the Westminster parliamentary system. The leader of this country's current shadow cabinet is Labour Party leader Ed Milliband, who sits in opposition to its prime minister, David Cameron.

ANSWER: the **United Kingdom**

[10] This insane conspiracy theorist who runs Infowars.com loves to talk about "shadow governments." Surprise, surprise, they control the elected government and consist of members of the Illuminati.

ANSWER: Alex **Jones**

17. Even though a daddy and a mommy can love each other very much, sometimes they don't want to have babies. Answer the following about the history of birth control, for 10 points each:

[10] This encyclical issued by Pope Paul VI in 1968 reaffirmed the Catholic Church's disapproval of almost all forms of birth control, including abortion.

ANSWER: *Humanae Vitae* [accept *Of Human Life*]

[10] This eugenicist female founder of Planned Parenthood popularized the birth control movement in the United States.

ANSWER: Margaret Higgins Sanger [accept Margaret Louise Higgins]

[10] The first medical text in the world advocated the use of crocodile dung as a contraceptive and is called the Kahun [this]. This material was used extensively as a method to keep records in ancient Egypt.

ANSWER: papyrus

18. John Mearsheimer and Stephen Walt authored a controversial book about the influence of this nation's lobby on United States foreign policy. For 10 points each:

[10] Name this country. Hannah Arendt coined the phrase "the banality of evil" in a book that reported on an event in this country.

ANSWER: State of Israel [accept Medinat Yisra'el; accept Dawlat Isra'il]

[10] That book reported on the 1961 trial of this Nazi architect of the Final Solution, who was captured in Argentina by the Mossad and returned to Jerusalem.

ANSWER: Adolf Eichmann [accept *Eichmann in Jerusalem*]

[10] The Eichmann trial also inspired this Yale psychologist to devise his famous "obedience" experiment, in which "teachers" were instructed to deliver potentially fatal electric shocks to "learners."

ANSWER: Stanley Milgram

19. This figure steals his brother Esau's birthright by wearing goat's hair to confuse their father Isaac. For 10 points each:

[10] Name this Biblical figure, the father of Joseph. While traveling to Haran, he sees a vision of a ladder stretching to heaven.

ANSWER: Jacob [or Ya'akov]

[10] Jacob was a grandson of this religious figure, who fathered Ishmael with his Egyptian handmaiden Hagar.

ANSWER: Abraham [or Abram]

[10] Jacob famously wrestles with an angel, who touches this part of Jacob to render him weak and defeat Jacob. According to Genesis, this is why "the people of Israel do not eat the sinew" of this body part.

ANSWER: sinew of the thigh

20. This verse novel, which uses a namesake stanza, had its satirical tenth chapter burned by its author. For 10 points each:

[10] Name this work by Alexander Pushkin whose title character is unable to regain the love of Tatyana years after killing Lensky in a duel.

ANSWER: *Eugene Onegin*

[10] This author published a vocabulary-testing translation of Eugene Onegin after criticizing Walter Arndt's earlier translation for being inaccurate. This author also penned *Lolita*.

ANSWER: Vladimir Nabokov

[10] In this long poem by Pushkin, one of the title characters attacks a giant sleeping head with a lance, before the head reveals that the secret to defeating the wizard Chernomor is cutting off his beard.

ANSWER: *Ruslan and Ludmila* [or *Ruslan i Lyudmilla*]