

Minnesota Undergraduate Tournament 2013

Questions by Rob Carson, Mike Cheyne, Andrew Hart, Gaurav Kandlikar, Matt Menard, and Bernadette Spencer

Round 9: Morals and Ethics and Carnal Forbearance

Tossups

1. This poem implies that conversing about “America and Eternity” is a “hopeless task” and, in its first section, tells its addressee “while you are not safe I am not safe”. Its final section, labeled a “Footnote”, includes “the lone juggernaut”, “the solitudes of skyscrapers and pavements”, and “the vast lamb of the middleclass” among an extensive list of things the poet deems (*) “holy”. The third section of this highly paratactic poem describes a place “where the faculties of the skull no longer admit the worms of the senses” and contains the repeated refrain “I’m with you in Rockland”, while its second section repeatedly invokes the name of Moloch. Dedicated to Carl Solomon, it opens with the line “I saw the best minds of my generation destroyed by madness”. For 10 points, name this Allen Ginsberg poem.

ANSWER: “Howl”

2. One essay by this man proposes a triangle diagram to replace the linear political continuum. That essay claims that the title concept should only be a “personal maxim” since it is inclined to “stand still”. Another work by this thinker asserts that minority rule is ineffective since one government cannot know every aspect of a society. This man argued against focusing on “fairness” in a work that decries the deindividuation that results from both (*) communism and fascism. In that work, this author of *The Constitution of Liberty* proposed that free market liberalism and a minimal state would prevent the title devolution into totalitarianism. For 10 points, name this Austrian-British economist who wrote “Why I Am Not a Conservative” and *The Road to Serfdom*.

ANSWER: Friedrich Hayek [or Friedrich August von Hayek; or F. A. Hayek]

3. This monarch got suckered by a message delivered to him by Sicinnus claiming Sicinnus’ master was loyal to this man. While not his father’s eldest son, he succeeded to the throne because he was the son of Atossa. This ruler was killed in a conspiracy involving his bodyguard Artabanus. His forces won one battle thanks to the treachery of Ephialtes. This man ordered the building of the Gate of All Nations, enhancing his father’s building projects at (*) Persepolis. He reportedly whipped the Hellespont three hundred times before bridging it. This ruler had forces that won the bloody Battle of Thermopylae before losing at the Battle of Salamis. For 10 points, give the name of the ruler who succeeded Darius the Great and whose forces were defeated in the second Persian invasion of Greece.

ANSWER: Xerxes I [or Xerxes the Great]

4. Hilbert’s *Nullstellensatz* relates algebraic sets to ideals in rings of these objects. A lemma named for Gauss says that the product of two primitive examples of these objects is primitive and Eisenstein’s criterion concerns their reducibility. The set of these objects over a field K is denoted K bracket x and forms their namesake ring. Their quotients can be simplified by synthetic division. Eigenvalues correspond to the values at which a matrix’s (*) characteristic one evaluates to zero. Descartes’ rule of signs bounds the number of their real roots, and another theorem says that examples of degree n has n complex roots counting multiplicity. For 10 points, name these functions which can be written as a sum where each term is a coefficient times some power of a variable.

ANSWER: polynomials

5. The Great Goddess of Teotihuacan was accompanied by a retinue of, and sometimes took the form of, these creatures. Minamoto no Raiko is nearly killed by either a beautiful woman or a monk which is revealed to be the Tsuchigumo, a tiger-striped demon with this animal form. One of these animals is the brother of the storm-monster Iya and the son of Inyan the rock, according to the Lakota. Another of these creatures receives all the (*) stories in the world after capturing four creatures for his father Nyame. The child of the dyer Idmon of Colophon was transformed into one of these creatures after being sprinkled with aconite, which happened after she hung herself after Athena beat her in a tapestry-weaving contest. For 10 points, identify the animal form of Iktomi, Anansi, and Arachne.

ANSWER: spiders [prompt on “arachnids” or equivalents]

6. One of this author’s protagonists converses with his ceiling, which thinks of itself as the eye of God, and appears in a novel which climaxes with the mingling of the records of the living and the dead at the Central Registry of Births, Marriages and Deaths. He wrote a sequel to one of his books which centers on a parliamentary election marred by the widespread casting of blank ballots. This non-Borges author of *All The Names* wrote a novel in which Herbert Quain’s *The God of the Labyrinth* is read by one of Fernando (*) Pessoa’s heteronyms. The King of Ward 3 is killed by the Doctor’s Wife in his most famous novel, which opens at a traffic light where a car remains unmoving, as its driver has become afflicted with the title condition. For 10 points, name this author of *The Year of the Death of Ricardo Reis* and *Blindness*, a Nobel winner from Portugal.

ANSWER: Jose de Sousa Saramago

7. During this event, reporter John Scali had a crucial meeting at the Occidental Restaurant. It began after one side initiated Operation Anadyr and one of its few fatalities was Rudolf Anderson. During it, one man said “I am prepared to wait for my answer until Hell freezes over” after telling another man “Don’t wait for the (*) translation.” That moment during this event happened when Adlai Stevenson confronted Valerian Zorin at the United Nations. It was resolved when the U.S. withdrew objects from Turkey and Italy. After this event, a hotline was created to allow easier communication between John F. Kennedy and Nikita Khrushchev. For 10 points, name this 1962 Cold War clash in which the U.S. reacted to nuclear weapons being placed by the Soviets on a certain Caribbean island.

ANSWER: Cuban missile crisis [or October crisis, prompt on Caribbean crisis]

8. The Cahul region is a major wine-growing area in this country, which also produces the “Queen of England’s wine”, Negru de Purcari. This modern-day nation’s second-most-populous city was founded by Russian general Alexander Suvarov. Forests that grow in this nation’s hilly areas are known as “Codri”. This nation’s “northern capital” lies on the Raut River. The cities of Bender and Balti are controlled by this nation, which is currently run by president (*) Nicolae Timofti. The Dniester and Prut rivers bound most of this nation, the southernmost point of which contains the city of Giurgiulesti. Its second-most-populous city is Tiraspol, and it considers the breakaway republic of Transnistria to be a part of its territory. For 10 points, name this landlocked nation that has its capital at Chisinau.

ANSWER: Republic of Moldova [or Republica Moldova]

9. Ferrous pans are heated through dissipation of the eddy currents caused by this phenomenon in a namesake type of stove. The circuit elements which rely on this phenomenon have impedance proportional to the current frequency. The namesake quantity of those elements that rely on this phenomenon is the proportionality constant between voltage and the time derivative of current. The Maxwell equation describing this phenomenon states that the (*) curl of the electric field equals the negative partial derivative of the magnetic field with respect to time; that is Faraday’s law of this phenomenon. For 10 points, identify this phenomenon in which a time-varying magnetic field produces an electric field, used by a circuit element whose strength is measured in henrys.

ANSWER: electromagnetic induction

10. This work’s manuscript was given to Johann von Herbeck, who conducted its premiere. This work’s first movement is written in B minor, but that movement’s well-known second subject was written in the submediant key of G major. All three movements of this work are in the three-in-a-bar meter, with the first movement in 3/4 and the second in 3/8. This work was composed for the Graz Music Society and sent to Anselm (*) Hüttenbrenner, who didn’t reveal its existence until nearly 40 years had passed. The finale to this piece may have been turned into the B-minor entr’acte in the incidental music to *Rosamunde*. For 10 points, name this B-minor symphony by Franz Schubert that was left incomplete.

ANSWER: Unfinished Symphony [or Unvollendete; or Franz Schubert’s symphony No. 8; accept just 8 or Eighth Symphony after “Schubert” is read]

11. This battle's losing commander attended his last mass at a nearby church at Sutton Cheney. The loser was holding Lord Strange hostage and unsuccessfully ordered him executed. The victor of this battle would secure power two years later by winning the Battle of Stoke Field. This battle is traditionally said to have taken place at Ambion Hill. The leader of the losing army managed to unhorse John Cheyne and kill Sir William Brandon, but failed to receive assistance from (*) Henry Percy's reserves. During this battle, Thomas and William Stanley hung back, eventually joining in to help the victor. Afterwards, the victor was crowned king, beginning the Tudor dynasty. For 10 points, name this battle in which the future Henry VII's forces killed Richard III, effectively ending the Wars of the Roses.

ANSWER: Battle of Bosworth Field

12. This player's illustrated autobiography, *Be the Best You Can Be*, details his upbringing in the Robert Taylor Homes and his erstwhile employment on a Ford Motors assembly line. This player robbed Ron Gant of an extra-base hit with a catch in which he banged off of a Plexiglas wall in the same game in which he hit an eleventh-inning home run off of Charlie Liebrandt. This player, who hit a walk-off home run that sparked Jack (*) Buck to exclaim "We'll see you tomorrow night!" in Game Six of the 1991 World Series, was forced to retire after he was diagnosed with glaucoma. For 10 points, name this Hall of Fame outfielder who wore number 34 for the Minnesota Twins.

ANSWER: Kirby Puckett [or Anthony Kirby Puckett]

13. This work was the subject of a 1930 study on the "causes" of its title phenomenon by Maurice Halbwachs, a student of this work's author. One concept investigated in this work occurs in highly integrated societies when the individual is overwhelmed by the goals and beliefs of the group. Another type of this work's title phenomenon occurs after a breakdown of social integration. This work finds that men, Protestants, and (*) Scandinavians are more likely to perform the title action, which comes in egoistic, altruistic, anomic, and fatalistic types. For 10 points, name this 1897 case study by Emile Durkheim that investigates the rates at which people kill themselves.

ANSWER: Suicide [or *Le Suicide*]

14. One of this man's protagonists holds canasta parties with a lesbian who later reveals a secret that prompts a character to attempt suicide by drinking methanol. One of this author's characters is given a copy of *League of the Divine Wind* by a youth who later assassinates the capitalist Kurahara. One of this author's protagonists sees a trio of moles on the bodies of the Thai princess Ying Chan, the orphan Toru, and the ultranationalist Isao, all of whom are thought to be (*) reincarnations of Kiyooki. He created Shigekuni Honda, who appears in such novels as *Runaway Horses* and *Spring Snow*. This founder of the Tatenokai committed seppuku after a failed 1970 coup. For 10 points, name this author of the *Sea of Fertility* tetralogy, a Japanese novelist who also penned *The Temple of the Golden Pavilion*.

ANSWER: Yukio Mishima [or Kimitake Hiraoka; accept names in either order]

15. In this work, one character's mother sends him a letter asking him to marry the girl who brought the letter. Towards its end, one character sings "C'est toi! C'est moi" to his lover, only to have her throw the ring he had gifted her. In this work, one character's job is described as a celebration of (*) courage in a song that describes the cheers of the crowds watching the ring. Another song in this work includes the line "L'amour est l'enfant e Boheme" and repeatedly tells its addressee to "take guard." Don Jose kills the title character of this opera at its end, and in Act 2 of this opera, Escamillo sings the Toreador Song. For 10 points, name this opera in which the Habanera Song is sung by the title gypsy, a work of Georges Bizet.

ANSWER: Carmen

16. This character converses with Plutus and Masquerado in Ben Jonson's *Love Restored*. In one speech, this character says he is "sent with broom before / to sweep the dust behind the door". This character is asked to recall a time when his master heard the singing of a mermaid on dolphin-back. This character successfully outspeeds the leviathan while fetching an herb called love-in-idleness. He offers a way to "restore amends" in his final speech, which opens (*) "If we shadows have offended...". He says "Jack shall have Jill / nought shall go ill" after re-anointing the eyes of several Athenian youths, while his earlier exploits included charming an ass's head onto Bottom's shoulders. For 10 points, identify this character from Shakespeare's *A Midsummer Night's Dream*, a mischievous spirit who serves as Oberon's jester.

ANSWER: Puck [or Robin Goodfellow; or Hobgoblin]

17. A deficiency of this element may cause eclampsia, and kieserite is a hydrated form of a sulfate of this element. The equilibrium of a class of compounds containing this metal is named for Schlenk. Ions of this metal block NMDA receptors, and a class of compounds in which this element is bonded to a halogen are used to form (*) carbon-carbon bonds. This metal's chloride is often added to PCR mixes to increase the stability of single stranded DNA. This element is bonded to bromine in Grignard reagents, and is found in the center of the chlorin ring of chlorophyll. The sulfate of this element is Epsom salt. For 10 points, name this element with atomic number 12 and symbol Mg.

ANSWER: magnesium [accept Mg before mentioned]

18. Lawrence Ferlinghetti wrote a poem about this painting which asserted of it that "nearby there must be a jeweled tree" and concluded that one of its central figures "is not the One". It was painted a short time after its artist completed a supposedly "pornographic" trio of ceiling paintings called *Philosophy, Medicine, and Jurisprudence*. A series of vines with triangular yellow leaves trail down towards the bottom-right corner of this painting, which is set at the edge of a (*) meadow filled with purple and blue flowers. It contrasts a pattern of grey, black, and beige rectangles with a pattern of multicolored circles, which represent masculinity and femininity respectively. Its central figures are displayed in front of a gold-leaf background, wrapped in golden robes. For 10 points, two lovers embrace at the center of which Gustav Klimt painting?

ANSWER: *The* Kiss [or *Der* Kuss]

19. This country was once ruled by a man who wrote a horseback treatise titled *The Art of Riding on Every Saddle*. One of its rulers had children known as the "Illustrious Generation," the sons of Philippa of Lancaster. This country decisively defeated a combined Venetian, Ottoman, and Egyptian fleet at the Battle of Diu. It effectively began its empire by conquering Ceuta from the Muslims, and it gave various people the title "Duke of (*) Goa." Another nobleman in this country is said to have formed a school on the Sagres peninsula to teach explorers and map-makers. With its eastern neighbor, it signed the Treaty of Tordesillas, and it employed such explorers as Pedro Cabral and Vasco da Gama. For 10 points, name this modern day European country, once the home to Prince Henry the Navigator.

ANSWER: Portugal [accept Portuguese Republic]

20. This organ's foveolar cells serve a protective function, and an "alkaline tide" results when secretions of bicarbonate from this organ cause an increase in blood pH. A zymogen released by this organ's chief cells becomes an aspartate protease. One compound synthesized by this organ's G cells stimulates the release of histamine from (*) enterochromaffin-like cells. The upward bulge at this organ's top is its fundus, and a bolus is converted into chyme in this organs. Parietal cells in this organ release hydrochloric acid, and this organ is separated from the duodenum by the pyloric sphincter. For 10 points, name this organ that lies in between the esophagus and the small intestine.

ANSWER: stomach

21. One country in this war was forced to use many children as soldiers in a battle where they were killed by the Count d'Eu's men. The region known as "Presidente Hayes" is named for Rutherford B. Hayes, who helped arbitrate a dispute after this war took place. One leader in this war died at the Battle of Cerro Cora, although his mistress Eliza Lynch survived. The Duke of Caxias was one of the winning sides' commanders, while the initial supreme commander was President (*) Bartolome Mitre. This war featured the key naval battle of Riachuelo. It resulted in the loss of about 60% of the population of the country ruled by Francisco Solano Lopez. For 10 points, name this South American war in which Paraguay lost to a coalition of Argentina, Brazil, and Uruguay.

ANSWER: War of the Triple Alliance [prompt on the Paraguyan War]

Bonuses

1. The preface to this work denounces previous philosophy for focusing on conclusions instead of the process of discovery. For 10 points each:

[10] Name this 1807 work that follows the evolution of consciousness through the master-slave relationship towards absolute knowledge.

ANSWER: *The Phenomenology of Spirit* [or *The Phenomenology of Mind*; or *Phänomenologie des Geistes*]

[10] This wordy German philosopher who penned *Philosophy of Right* wrote *The Phenomenology of Spirit*.

ANSWER: Georg Wilhelm Friedrich Hegel

[10] This American philosopher was inspired by *The Phenomenology of Spirit* to write what he called "Hegelian Meditations" in his work examining a priori knowledge, *Empiricism and the Philosophy of Mind*.

ANSWER: Wilfrid Sellars [or Wilfrid Stalker Sellars]

2. Its second section famously analyzes the cover of an issue of *Paris Match*, which depicts a young black soldier saluting, while its first section contains essays on red wine, detergents, and professional wrestling. For 10 points each:

[10] Identify this collection, published four years after its author's first work *Writing Degree Zero*, which analyzes how modern social value systems tend to elevate cultural phenomena to the title status.

ANSWER: Mythologies

[10] *Mythologies* was written by this French post-structuralist critic, perhaps most famous for proposing the "Death of the Author" in a namesake 1967 essay.

ANSWER: Roland Gerard Barthes

[10] In his text *S/Z*, Barthes uses five different "codes" of meaning to analyze this author's story "Sarrasine". This fellow Frenchman included novels like *Eugenie Grandet* and *Pere Goriot* in his *The Human Comedy*.

ANSWER: Honore de Balzac

3. NOTE TO MODERATOR: do not reveal the alternate answer to the first part.

This piece, which was dedicated to Archduke Rudolf, has a third movement *Adagio sostenuto* that lasts up to 25 minutes. For 10 points each:

[10] Name this challenging piece in B-flat major for solo piano.

ANSWER: the Hammerklavier Sonata [accept Beethoven's Piano Sonata No. 29]

[10] This work in the same form and by the same composer, but in the key of C-sharp minor, was officially given the name "Quasi una fantasia". Ludwig Rellstab gave it its popular nickname by likening it to a view of Lake Lucerne.

ANSWER: the Moonlight Sonata [accept Piano Sonata No. 14]

[10] This German composer of the *Hammerklavier* and *Moonlight* sonatas used a memorable "short-short-short-long" motif to open his *Fifth Symphony* and set Schiller's "Ode to Joy" in his *Ninth*.

ANSWER: Ludwig van Beethoven

4. Rarely is the question asked: how did nineteenth century American children learn? For 10 points each:

[10] These popular textbooks, which sold 120 million copies between 1836 and 1960, were frequently used in nineteenth century schools. They were named after a language professor at Miami University in Ohio.

ANSWER: McGuffey Readers

[10] This man boosted education with his 1828 *American Dictionary of the English Language*, which was called too radical by Federalists. The former Merriam Company produces current editions of this man's work.

ANSWER: Noah Webster Jr.

[10] One member of this family, Catharine, supported female education and promoted the idea of the "cult of domesticity." Her brother, a clergyman named Henry, bought rifles nicknamed "Bibles" during the violence known as "Bleeding Kansas."

ANSWER: Beecher

5. This man was criticized for ordering the execution of Thomas Scott. For 10 points each:

[10] Name this dissident who led the 1869 Red River Rebellion and the later North-West Rebellion. He is considered an extremely important figure among the Metis (muh-tee) people.

ANSWER: Louis David **Riel**

[10] Riel's second rebellion occurred when this man was Prime Minister of Canada. First becoming PM in 1867, he was out of office for five years due to the Pacific Scandal controversy, which involved how the Canadian Pacific Railway was financed.

ANSWER: Sir John Alexander **Macdonald**

[10] The end of the North-West Rebellion came in the Battle of Loon Lake, which featured insurgents defeated by members of this Canadian police force, noted for their distinctive red uniforms.

ANSWER: **Royal Canadian Mounted Police** [or the Royal **North-West Mounted Police** or the **Mounties**, or **RCMP**, or **NWMP**, or **RNWMP**]

6. Who needs violent video games when you have violent paintings, am I right? Well, identify the following about the latter anyway, for 10 points each.

[10] Particularly gruesome depictions of this Biblical woman's assassination of Holofernes include a blood-spattered 1612 painting by Artemisia Gentileschi and a Caravaggio painting in which she looks calmly grossed out at the massive arterial spray coming from Holofernes's screaming head.

ANSWER: **Judith**

[10] If punching is more your thing, you'll enjoy the works of this member of the Ashcan School who painted *Stag at Sharkey's*. His *Dempsey and Firpo* depicts the former fighter being blasted through the ropes by the latter.

ANSWER: George Wesley **Bellows**

[10] A more metaphorical type of violence is advocated in *Beat the Whites with the Red Wedge*, a poster by this Russian advocate of horizontal skyscrapers, who also created a number of geometric paintings called *Proun*.

ANSWER: El **Lissitzky** [or Lazar Markovich **Lissitzky**]

7. The title character's secretary Padilla repeatedly plays taped recordings of his business deals, which he listens to while bedridden after a business trip to Hermosilla. For 10 points each:

[10] Identify this 1962 novel, dedicated to C. Wright Mills, which mostly consists of the recollections of the title Mexican tycoon.

ANSWER: *The **Death of Artemio Cruz*** [or *La **muerte de Artemio Cruz***]

[10] *The Death of Artemio Cruz* was written by this Mexican author, a major representative of the Latin American Boom. His other works include *The Old Gringo* and *Aura*.

ANSWER: Carlos **Fuentes** Macias

[10] Fuentes was attacked as a "guerrilla dandy" in an Enrique Krauze article in *Vuelta*, a magazine edited by this author, who as a result was involved in a feud with Fuentes until his death. This man wrote the poetry collections *Liberty Under Oath*, *Eastern Slope*, and *Luna Silvestre*.

ANSWER: Octavio **Paz** Lozano

8. Its cross section is given by the Klein-Nishina formula. For 10 points each:

[10] Name this effect in which a photon scatters off a charged particle, losing energy proportional to one minus the cosine of the scattering angle divided by the mass of the particle.

ANSWER: **Compton** effect or scattering

[10] Compton scattering is this kind of interaction because the photon loses energy. In experimental particle physics, deep scattering of this type can be used to probe the inside of baryons and demonstrate evidence of the existence of quarks.

ANSWER: **inelastic**

[10] This is the low-energy limit of Compton scattering, in which the photon is scattered elastically.

ANSWER: **Thomson** scattering

9. In one song of this name, the singer claims to “shoot without a gun” and “cut without a knife” and orders the listener to “close your eyes and say good-night”. For 10 points each:

[10] Identify this 2001 song which shares its name with the title track of a 1994 album, the first release from Bad Boy Records. That album of this title also features the songs “One More Chance” and “Suicidal Thoughts”.

ANSWER: **“Ready to Die”**

[10] “Ready to Die”, the song, was recorded by this white-clad partying advocate who hosts Cartoon Network's *Destroy Build Destroy*. Like his biggest hit, “Party Hard”, the song came from his debut album *I Get Wet*.

ANSWER: **Andrew W.K.** [or Andrew Fetterly **Wilkes-Krier**]

[10] *Ready to Die*, the album, was the debut release by this large East Coast rapper, who engaged in a long feud with his West Coast counterpart Tupac Shakur before his 1997 murder.

ANSWER: The **Notorious B.I.G.** [or **Biggie** Smalls; or **Big**; or Christopher George Latore **Wallace**]

10. This event was organized by Walt Kuhn, Walter Pach, and Arthur B. Davies. For 10 points each:

[10] Give this more common name for the 1913 International Exposition of Modern Art in New York City, the first modern art exhibition in the United States.

ANSWER: the **Armory Show**

[10] This Dada artist's *Nude Descending a Staircase* was the gem of the Armory Show. He also sculpted the readymade *Fountain*, which was just a urinal labeled “R. Mutt.”

ANSWER: Marcel **Duchamp**

[10] This artist's *Violin and Candlestick* was included in the Armory Show. He also painted *Houses at L'Estaque*.

ANSWER: Georges **Braque**

11. A Malagasy hawk moth with a 30 centimeter proboscis is commonly named after this natural historian, who predicted its existence in his *Fertilization of Orchids*. For 10 points each:

[10] Name this natural historian who documented many of his experiences in *The Voyage of the Beagle*. His observations on that trip led him to develop the theory of evolution by natural selection.

ANSWER: Charles **Darwin**

[10] This younger contemporary of Darwin's independently developed the theory of evolution. His namesake “line” marks a cutoff between two ecological zones in southeast Asia.

ANSWER: Alfred Russel **Wallace**

[10] A modern natural historian was Leslie Holdridge, who founded the La Selva research station in this country, the site of the Guanacaste Conservation Area. Corcovado Park are also located here.

ANSWER: **Costa Rica**

12. This theory's creator, Walter Christaller, illustrated it using interlocking hexagons. For 10 points each:

[10] Name this theory from human geography in which settlements serve as middle locations that provide services for the surrounding areas.

ANSWER: **central place** theory

[10] Ernest Burgess built on the work of Johann Heinrich von Thunen to argue that cities expanded from a central business district in concentric zones with this shape.

ANSWER: **rings** [accept **circles** or equivalents]

[10] Burgess applied his concentric ring model to the growth of this city, whose namesake school of sociology included George Herbert Mead and Robert Park, and which contained Jane Addams's Hull House.

ANSWER: **Chicago**, Illinois

13. This program created communes and poorly-run backyard steel furnaces. For 10 points each:

[10] Name this program created during the Second Five Year Plan in 1958, which sought to industrialize a certain country. It banned private farming and is blamed for millions of deaths.

ANSWER: **Great Leap Forward** [or **da yue jin**]

[10] The Great Leap Forward occurred in China when this man was Chairman of the Central Committee of the Communist Party. This dictator promoted the Cultural Revolution to root out suspected dissidents.

ANSWER: **Mao** Zedong

[10] This man was China's Defense Minister from 1954 to 1959. He was critical of the Great Leap and was purged at the 1959 Lushan Conference and arrested during the Cultural Revolution. While he died in prison in 1974, Deng Xiaoping posthumously rehabilitated this man's reputation.

ANSWER: **Peng** Dehuai

14. This author's friend John Peale Bishop served as the basis for the character Thomas Parke d'Invilliers, who appears in this man's novel about Amory Blaine and also provides the epigraph for his most famous novel. For 10 points each:

[10] Identify this Minnesota-born author of *This Side of Paradise* and *The Great Gatsby*.

ANSWER: F. Scott **Fitzgerald** [or Francis Scott Key **Fitzgerald**]

[10] In this Fitzgerald story, included in his collection *Tales of the Jazz Age*, John T. Unger discovers that Percy Washington's family's wealth comes from the title object, which is protected by anti-aircraft guns and is at one point offered to God as a bribe.

ANSWER: "The **Diamond as Big as the Ritz**"

[10] This short story collection, Fitzgerald's first, contains such stories as "The Offshore Pirate", "The Cut-Glass Bowl", "The Ice Palace", and "Bernice Bobs Her Hair".

ANSWER: **Flappers and Philosophers**

15. These proteins are added onto their substrates by the activity of three enzymes called their namesake "activators," "conjugators," and "ligases," which are denoted E1, E2 and E3. For 10 points each:

[10] Name these proteins, chains of which are made by covalently linking one molecule's C-terminal glycine to another's lysine 48.

ANSWER: **ubiquitin**

[10] Poly-ubiquitinated proteins are destined to these complexes for breakdown. These complexes have 19S Caps, and their 20S core particle has three different protease activities.

ANSWER: **proteasomes**

[10] One important E3 Ubiquitin ligase is the APC, which causes cells to enter this stage of mitosis. Chromatids are pulled towards two poles of the cell in this stage, which occurs between metaphase and telophase.

ANSWER: **anaphase**

16. While hiding in Brazil, this man was offered the chance to move to Bolivia to hang out with Klaus Barbie, but refused. For 10 points each:

[10] Name this so-called "Angel of Death," a SS officer and physician noted for his horrific human experiments on concentration camp inmates, particularly children and twins. There is no evidence that he ever cloned Hitler.

ANSWER: Josef Rudolf **Mengele**

[10] Mengele is best known for working at this concentration camp in Poland. The extermination camp component featured a gas chamber at Birkenau, and its gates featured the motto "work makes you free."

ANSWER: **Auschwitz** [or **Auschwitz-Birkenau** or **Auschwitz-Monowitz** or **Buna-Monowitz**, prompt on **Monowitz**]

[10] Mengele was never tried for his crimes, meaning he could not join seven convicted Nazi war criminals in this Berlin prison. This prison housed Albert Speer and was demolished shortly after its last prisoner, Rudolf Hess, died.

ANSWER: **Spandau** Prison

17. Name some things related to the Sermon on the Mount, for 10 points each.

[10] The Sermon on the Mount is the source for this common Christian prayer, which Jesus recited when a follower asked how he should pray to God. It asks God give us “our daily bread and forgive us our sins”.

ANSWER: The **Lord's Prayer** [or the “**Our Father**”; or **Pater noster**]

[10] Jesus also introduced this set of eight blessings that declare humble groups like the “poor in spirit” and the “pure of heart” to belong to the Kingdom of God.

ANSWER: the **Beatitudes** [or **Beatitudines**]

[10] In the Sermon, Jesus declares his disciples to be this entity. He claims that since they are this thing, they should not hide under a bushel, but should instead display their belief for all to witness.

ANSWER: the **light of the world**

18. This phenomenon occurs because molecules at its namesake location can only share attractive forces with other molecules in their plane and below them. For 10 points each:

[10] Name this force which causes capillary action. It is decreased by detergents, soaps, and other surfactants.

ANSWER: **surface tension**

[10] The capillary pressure difference is equated to the surface tension times the sum of the inverses of the radius of curvature, according to this doubly-eponymous equation.

ANSWER: the **Young-Laplace** equation [do not accept partial answers]

[10] This word is used to describe the body of liquid that is not at the surface layer. This word also names the non-diffusion flow of water and nutrients through the xylem and phloem.

ANSWER: **bulk** [accept **bulk** transfer]

19. This novel opens with its protagonist astride the Zam-Zammah cannon in front of the Lahore Museum. For 10 points each:

[10] Identify this 1901 novel whose protagonist later becomes the disciple of a Tibetan lama and simultaneously works for Hurree Babu as a British agent in the Great Game.

ANSWER: **Kim**

[10] *Kim* was written by this British author of *The Just So Stories* and *The Jungle Book*, who outlined the conditions for manliness in his poem “If--”.

ANSWER: Rudyard **Kipling** [or Joseph Rudyard **Kipling**]

[10] Memories of a girl waiting “by the old Moulmein Pagoda, lookin’ eastward to the sea” assail the speaker of this Kipling poem, who imagines hearing the temple-bells calling “Come you back to” the title location.

ANSWER: “**Mandalay**”

20. One noticeable feature of this item came about as a result of a gadfly biting Brokk directly on the eyelid during his construction, and its owner required the belt Megingjard and gloves called Jarngreipr to wield it. For 10 points each:

[10] Identify this item, similar in nature and in worship to the Finnish Ukonkirves, which its Norse owner often used to kill ice giants.

ANSWER: **Mjölnir** [or **Mjollner**; prompt on “Thor’s hammer” or equivalents]

[10] Mjölnir is the hammer owned by this Norse god of thunder, who will take nine steps after killing the Midgard serpent before dying of its poison.

ANSWER: **Thor** [or **Donar**; or **Thunor**; or **Thunraz**]

[10] The *Thorsdrapa* tells of Loki’s attempts to have Thor killed by this jötunn, the father of Gjalp and Greip. Luckily for Thor, the giantess Grid gave him a magic staff, with which he killed this guy, his daughters, and any other giants else he could find.

ANSWER: **Geirröd**

21. The son is told to use a gun on himself if he needs to protect himself from cannibals in this novel. For 10 points each:

[10] Name this post-apocalyptic novel which follows a father and son's trek through Texas in a world with no vegetation.

ANSWER: *The Road*

[10] *The Road* was written by this American author of *Blood Meridian*, *All the Pretty Horses*, and *No Country for Old Men*.

ANSWER: Cormac McCarthy [or Charles McCarthy]

[10] McCarthy's *All the Pretty Horses*, *The Crossing* and *Cities of the Plain* are generally grouped into a trilogy of this name.

ANSWER: the Border trilogy