

19. Name the poet, thirty, twenty, ten.

1. (30) His six sonnets on the slave trade include descriptions of commerce as a pale fiend, and of how "beneath the rod / a sable brother writhes in silent woe."

2. (20) Another of his sonnets is about a goose he neither knows nor cares about, other than to note it's delicious with sage, onions and port wine. Some of his longer works include *Thulaba the Destroyer* and *The Inchcape Rock*.

3. (10) He was best known for *The Battle of Blenheim* and for somehow getting the poet laureateship while Wordsworth and Coleridge were around.

Answer: Robert Southey

20. Name these operas for ten points each.

1. In this opera based on a play by Victor Hugo, the title character realizes that Gennaro is her illegitimate son and watches over him. He gets poisoned and dies anyway.

Answer: Lucrezia Borgia, opera

2. The title character in this opera has an aversion to Yarilo and is in love with Lel, a shepherd. Mizgir was about to marry her but her demise ends a very long winter.

Answer: The Snow Maiden (Snegurochka), opera ("springtime tale") in 4 acts with a prologue (accept either underlined part)

3. This is Beethoven's only opera. In it, Pizarro imprisons Don Florestan, so his wife, Lenora goes under the title name to rescue him.

Answer: Fidelio, opera, Op. 72 (accept either underlined part)

14. Answer the following questions concerning Emilio Aguinaldo for ten points each.

1. Aguinaldo helped to fight against Spanish control of the Philippines as a member of this nationalist group.

Answer: the **Katipunan**

2. After this man tried to regain control of the Katipunan, Aguinaldo ordered his arrest and execution.

Answer: Andres **Bonifacio**

3. After the Spanish attacked and forced Katipunan forces to retreat, Aguinaldo agreed to enter into exile here in exchange for 400,000 pesos.

Answer: **Hong Kong**

15. Name the following films produced in the Weimar Republic for ten points each.

1. This F.W. Murnau film was based on Bram Stoker's *Dracula* but the names of the characters were changed because he failed to receive permission from Stoker's estate.

Answer: **Nosferatu**: *A Symphony of Horrors*, (or **Nosferatu**: *Eine Symphonie des Grauens*)

2. Marlene Dietrich is the dancer Lola Lola who, at the title club, tempts Professor Rath in this 1930 Josef von Sternberg film based on Thomas Mann's *Professor Unrat*.

Answer: **The Blue Angel** (or **Der blaue Engel**)

3. Peter Lorre stars in this 1931 Fritz Lang film, his first in sound, as the titular serial killer who is hunted down by his fellow criminals as a result of pressure from the Berlin police.

Answer: **M**

16. Given a description, name the work by George Bernard Shaw, for ten points each.

1. Subtitled *A Commentary on the Niblung's Ring*, this essay finds Shaw sharing his interpretation, describing a composer as a revolutionist and Siegfried as a Protestant.

Answer: "The **Perfect Wagnerite**"

2. His first play, it involves Harry Trench's engagement to the daughter of a slumlord and Leonard Charteris' attempts to wed Grace while sleeping with Julia Craven.

Answer: **Widower's Houses**

3. After seeing this play, King Edward VII laughed so hard he broke his chair. It centers on two civil engineers who go to develop some land.

Answer: **John Bull's Other Island**

17. Given a state and a year, identify either of its U.S. Senators for ten points each.

1. South Dakota, 1966.

Answer: George **McGovern** or Karl **Mundt** (accept either)

2. Tennessee, 1970.

Answer: Albert **Gore, Sr.** or Howard H. **Baker**, Jr. (accept either)

3. Illinois, 1848.

Answer: Stephen A. **Douglas** or Sidney **Breese** (accept either)

18. Identify the following relatives of Loki for the stated number of points.

1. (10 points) This dude, Loki's father, the chief of the Lightning Clan, and a fire giant, struck his wife with a thunderbolt, after which Loki was born.

Answer: **Farbauti**

2. (10 points) This, Loki's mother, is a frost giant and tree goddess also known as "Nal" who lives in a cottage above the Iron Wood.

Answer: **Laufey**

3. (5 points, 5 points) After Loki fled to Franang's Falls, Odin sent a party after him, and after capturing him, they went after his two sons and turned one into a wolf who tore apart the other. Name those sons for five points each.

Answers: **Narvi** and **Vali** (accept in either order)

9. Name the following philosophical –isms, for ten points each.

1. This is the belief that, because the concept it represents is inherently unverifiable, the word “God” is meaningless. Conifer *Examined* it.

Answer: theological **noncognitivism**

2. Among the claims that this –ism puts forth is: “A sentence is only true if the truth-making relation holds between it and the thing that makes it true.” In a book entitled this *and the Foundation of Ethics*, David Brink defends what he calls “Objective Utilitarianism.”

Answer: **moral realism**

3. This view can be expressed as “I am the only mind which exists,” and a believer in it cannot attach meaning to the idea that there are other emotions and thoughts besides his own.

Answer: **solipsism**

10. Name the Pritzker Prize-winning architects from the year they won and a building for ten points each. In the event that the prize was shared, name either winner for the points.

1. 1984, The Getty Center.

Answer: Richard **Meier**

2. 1998, The Pompidou Center.

Answer: Renzo **Piano**

3. 2001, The Walker Art Center Expansion.

Answer: **Herzog** and **De Meuron** (accept either)

11. Answer these related questions about cell organelles for ten points each.

1. These cell organelles, often found bonded to the endoplasmic reticulum, consist of two subunits made from RNA and protein. They translate mRNA into polypeptide chains.

Answer: **ribosomes**

2. The larger ribosomal subunit in eukaryotes has this designation in Svedberg units.

Answer: **60 S** (or **6 ps**)

3. Useful for efficient coupling of mRNA to ribosomes, this sequence of nucleotides, AGGAGG, is attached at the five prime end.

Answer: the **Shine-Dalgarno** sequence

12. Identify the following concerning the Compromise of 1850, for ten points each.

1. (10 points) This state relinquished certain land claims, but was given \$10 million dollars in compensation, which was used to pay off debts.

Answer: **Texas**

2. (10 points) The slave trade was abolished here, the largest slave market in North America, but slavery was still permitted.

Answer: **Washington**, D.C.

3. (5 points, 5 points) Four new territories were organized from the area gained through the Mexican-American War. Five for two, ten for all four, name those four territories.

Answers: **New Mexico**, **Nevada**, **Arizona**, **Utah** (accept any four answers in any order)

13. Identify these problems in CS for ten points each.

1. In this NP-hard problem, when given a number of cities and the distance between any two cities, one needs to compute the shortest round trip route.

Answer: the **traveling salesman** problem

2. In this synchronization problem, five people sit around a table with food and five forks. For a person to eat they must use two forks and both deadlock and starvation need to be avoided.

Answer: the **dining philosophers** problem

3. A reasonable sized proof that can be checked by hand does not yet exist for the theorem that any planar graph can be colored using this many colors.

Answer: **four**

5. Name each of the following songs from *The Joshua Tree* for ten points.

1. In this, the first track off *The Joshua Tree* and U2's biggest hit, the singer wishes to go to the title location with you, because it's all he can do.

Answer: "**Where the Streets Have No Name**"

2. The singer's labor day has come and gone in the title location, where you keep him hanging on and are all that's left to hold-on to. Night comes here like a hunted child.

Answer: "**Red Hill Mining Town**"

3. Presumably the person undertaking the title action "went deeper into black / Deeper into white... he could see / The stars shine / Like nails in the night." The healing hands of love help with that later.

Answer: "**Exit**"

6. Answer each of the following about a certain branch of mathematics for ten points.

1. Entire boatloads of real-world problems are solved by this method, which approximates differential operators as the namesake entities. They are usually solved on meshes or grids and involve values at one point subtracted from those at others, which produces non-differential results.

Answer: **finite difference** equations

2. Some finite difference schemes may be stated in terms of the "pairs" named for this mathematician, who won the 2005 Abel Prize for inventing most of finite difference theory.

Answer: Peter David **Lax**

3. The Lax-Wendroff-Harten theorem states that a finite difference approximation to a hyperbolic system is consistent only if the system used to derive approximation is in this form.

Answer: **conservative** (or **conservation**)

7. Answer the following concerning the history of Tahiti for ten points each.

1. This country tried to colonize Tahiti in 1774 but, due to fighting, they fled with Pomare II to New South Wales.

Answer: **Spain** (or **España**)

2. This Tahitian leader joined the Free French forces in World War II and was infuriated at French bureaucrats filling government jobs. He later formed the RDPT, or Democratic Assembly of the Tahitian People.

Answer: Pouvanaa Tetuaapua **Oopa**

3. He created the Front for the Liberation of Polynesia, later the People's Servant Party, and was recently elected President of French Polynesia.

Answer: Oscar Manutahi **Temaru**

8. Identify these functional groups given a description for ten points each.

1. This functional group consists of a carbon atom double bonded to an oxygen atom and single bonded to a hydroxyl group.

Answer: a **carboxyl** group

2. This group consists of a nitrogen atom double bonded to another nitrogen with each of the nitrogens also bonded to a carbon atom.

Answer: an **azo** group

3. This functional group consists of a carbon triple bonded to a nitrogen.

Answer: a **nitrile** group (accept **cyano** group or **cyanide** group)

### **The Illinois Open 2006: Spite Burn**

**Bonuses by Illinois (Donald Taylor, Kelly Tourdot, Scott Green, Micah Hodosh, Sulee Cao, Steven Canning) feat. California (Mary Huang, Steve Kaplan, Paul Lujan, Kha Lai, Ray Luo, Jay Turetzky, Dwight Wynne)**

1. Answer these questions related to tariffs, for ten points each.

1. Tariffs represent market failures because they cause these inefficiencies. For a tariff, the amount of duty collected will be less than the consumer surplus lost due to the tariff and the difference will be one of these.

Answer: **deadweight losses**

2. This argument, one of the two classic ones for, for tariffs is based on beliefs that a country's own newly formed business will not be able to compete against established businesses in other nations without government intervention.

Answer: the **infant industry** argument

3. A tariff provides nominal and this kind of protection. It is calculated using the nominal amount of the tariff, the value added in the importing country and the percentage of the final product that is imported.

Answer: **effective** protection

2. Answer the following about Russian science fiction, for ten points each.

1. He wrote about a death ray in *The Death Box*, and about a Soviet expedition to Mars in *Aelita*.

Answer: **Alexei Tolstoi** (prompt on "Tolstoi")

2. In this work by Stanislaw Lem, the narrator Kris Kelvin is brought to the titular planet by the Prometheus. It was made into a movie by Andrei Tarkovsky.

Answer: **Solaris**

3. This author's novel *We* focuses on a society separated from the outside world by a Green Wall and under the influence of the Benefactor.

Answer: Yevgeny **Zamyatin**

3. Given an African country, name its second most populous city for ten points each.

1. Egypt.

Answer: **Alexandria**

2. South Africa.

Answer: **Cape Town**

3. Nigeria.

Answer: **Kano**

4. Name these works of Richard Brinsley Sheridan for ten points each.

1. This poem compares sex to the title flower, which is sometimes in pale decay and at another time triumphant. In it, Paradise is in Susan's arms.

Answer: "The **Geranium**"

2. In this poem, the narrator toasts this title person along with a widow of fifty, a thrifty housewife, and a nymph with one blue eye. According to him, they are all excuses for the glass.

Answer: "**Here's to the Maiden of Bashful Fifteen**"

3. In this, Sheridan's first commercially produced play, Mrs. Malaprop says crazy things like: "He is the very pineapple of politeness!" and locks Lydia Languish away in order to find an appropriate suitor for her.

Answer: *The **Rivals***

16. The conventional to optimize Kruskal's algorithm is to store the edges in one of these. A sorting algorithm named for this structure is worst case  $n \lg n$  in time. Typically, finding the minimum value in one takes constant time but insertion takes  $\lg n$  time. All of the operations on the skew variant of these are accomplished by skew merger, while Fredman and Tarjans invented the Fibonacci variant. The min variety has the constraint that the value of a parent is always greater than that of a child. For 10 points, identify these tree-based data structures used to implement priority queues and the nodes of which satisfy a namesake equivalence relation.

Answer: heaps

17. Ed Ruscha published an artist's book of his interpretations after this group. The man who commissioned them died before they were completed and they were shown in a public gallery and caused a sensation. *The Savage State* shows a primitive civilization with some Native American figures on its right side in the middle. *The Consummation* depicts a Roman triumph which proves to be illusionary as many of the buildings fall to ruins in the last two paintings *Destruction* and *Desolation*. For ten points, name this 1836 series of paintings by Thomas Cole.

Answer: *The Course of Empire*

18. This conflict was interrupted by negotiations for Treaties of Tientsin, which would have allowed free travel to one of the groups at the center of its impetus, but the losing side refused to ratify the Treaties. It began when a ship was seized and charged with smuggling and the French subsequently joined-in *via* the excuse of a murdered missionary. After the Emperor's summer palace was burned, the Peking Convention was signed. For ten points, what war, also known as the *Arrow* War, legalized the importation of the namesake drug?

Answer: the Second Opium War (accept Arrow War before it's mentioned; prompt on "Opium")

19. While this woman's husband Joseph was pleading with the colonial government for aid, the town of Lancaster was attacked, killing 13. She later met Robert Pepper, who suggested that she use oak leaves to heal a wound. Once, when her son came by, she met King Philip, who offered her tobacco. She made clothing and sold it, receiving such payments as a knife and broth. She saw her son several times but, after he was sold, she never saw him again until he was ransomed at Portsmouth. For ten points, name this author of a famous memoir concerning her time spent as an Indian captive; the first such written.

Answer: Mary Rowlandson

20. One work by this name was completed in only two weeks in June in New Haven as its composer had teaching obligations during the year. It is based on an unfinished poem of Mallarmé that consists entirely of dialogue between the title character and her nurse. Martha Graham, for whom it was written, choreographed it and danced in the lead role. A second work by this name features the arias "Il est doux, il est bon," "Vision fugitive," and "Ne me refuse pas," a request by the title character. Its lesser roles include bass Phanuel and it takes its libretto from a similarly named Flaubert novel. For ten points, give the common name of this opera by Massenet and ballet by Hindemith, which is a French name for the mother of their main character, Salome.

Answer: Hérodiade

21. The one of these objected named for Weyl vanishes for every contraction between indices. The vector direct product is also known as the dyadic product and their namesake product, since that product increases the rank of vectors multiplicatively. The stress-energy one is the source of space-time curvature, which is described by the Riemann one. The Cartesian variety is defined on Euclidean space and does not differentiate between covariant and contravariant indices. Ones having rank 1 are called vectors, while a rank 0 one is called a scalar. For ten points, identify these mathematical objects that can be considered generalizations of a matrices.

Answer: tensors

11. This person collaborated with Harry From on such films as “Human Aggression” and “Nonverbal Communication.” Of this social scientist’s numerous students, only Daniel Geller’s “role-played” studies followed on his own work. Other mentees of his include Alan Elms and Salmon Asch. His *Essays and Experiments* are collected in *The Individual in a Social World*. One of his experiments tested the familiar stranger hypothesis via the lost letter technique, one of his small world methods. The details of his most famous experiment were published as “The Perils of Obedience.” For ten points, name this psychologist who found that an alarmingly high percentage of people were willing to issue what they thought was a potentially fatal electric shock for no reason other than “the experiment require[ed]” that they do so.

Answer: Stanley Milgram

12. This figure exposed Hercules’ transvestite tendencies after attempting to sex him up with him because he was in Omphale’s clothing. A misunderstanding about this being’s mother lead later writers to concoct the that he was conceived in a gang bang involving all of Penelope’s suitors. Pausanias notes the popularity of this deity’s shrines, which were usually in caves. One myth states that this god fathered Iambe on Echo before his followers tore her to pieces. Midas obtained ass’s ears by judging him better than Apollo in a musical contest, and after Gaea turned Syrinx into a clump of reeds, he made her into a set of namesake pipes. For ten points, name this god with the lower body of a goat and horns on his head.

Answer: Pan

13. A recently discovered type of these proteins contains the isoforms IL29, IL28A and IL28B. The mechanism of a most common type is the phosphorylation of eIF2 *via* PKR as this competitively inhibits translation. Triple-ultracentrifugation was required to isolate these elements, which were hypothesized by Nagano and Kojima. Side effects of use of these as medicines can include fatigue and the decrease of production of blood cells, since they prevent normal cell functioning. The gamma variety is significantly less useful for fighting tumors than the alpha and beta varieties. For ten points, identify these protein cytokines named for their ability to get in the way of viral infections.

Answer: interferons

14. Chapter five of this work, “Facing the Great Destination,” sees a character beat two others with a willow stick. Not long after that, children inform her that the “bear” meat she is cooking is really badger, so she throws it out the window. The presence of an Indian burial ground on a nearby hill and the burning of the stakes of Irish claim jumpers likewise unsettle the female protagonist, whose husband has recently learned to make whitewash. One character is comically called *store* Hans because he is only a fraction of the size of Hans Olsa, his uncle. Convinced that those around her are reverting to un-Christian practices, Beret longs for a return to Norway, but Per Hansa will have none of it. For ten points, name this work, the prequel to *Peder Victorious* and best-known book of O.E. Rølvaag.

Answer: *Giants in the Earth*

15. This person’s opinion in *Hernandez v. Texas* further desegregated juries, while he noted the poignant irony of attempts to subvert the First Amendment in the name of national defense in *United States v. Robel*. Drastically altering re-districting rules in *Reynolds v. Sims*, this jurist rose to his most important position from the office of the District Attorney of Alameda County. The most important cases heard by his court were *Miranda v. Arizona* and, of course, *Brown v. Board of Education*. For ten points, name this Chief Justice, 1948 Vice Presidential candidate and proponent of the “magic bullet” theory whom the South wanted to “Impeach.”

Answer: Earl Warren

6. Toward the middle of this work, the protagonist is twice asked “Why?” and, when he fails to respond, is told “Of course, you’ve no answer.” This happened after an outburst in which the main character reveals that he is “sick of [his] own country” as it does not speak his language. One of the hostesses of this work’s central event is described as “grey” and the protagonist’s anxiety increases after he tells an unfunny joke about her maid. It is noted that a coffin is “to remind them of their final end,” after which Gretta is noticed standing in the moonlight at the end of the party held by Kate and Julia, a professor’s aunts. For ten points, name this work about Gabriel Conroy; the last story in from James Joyce’s *Dubliners*.

Answer: “**The Dead**”

7. Vossius first detected the similarity in of “Ancoratus” version of this pronouncement to the baptismal formula of Jerusalem. An error intentionally introduced into it is the so-called Filioque clause, which causes a misattribution of the precedence of the paraclete. Because it was actually formulated around 381, many scholars now append Constantinopolitan to its name. As the Apostles’ and Athanasian versions of the same statement are not universally accepted, this is the only ecumenical statement of the Christian faith and the impetus for its creation was the need to exclude Arians, the purpose of its namesake 325 Council. For ten points, name this pronouncement of faith that opens in English “We believe in one God, the Father, the Almighty, maker of heaven and earth, of all that is seen and unseen;” the most common Christian creed.

Answer: the **Nicene** Creed (or **Niceno-Constantinopolitan** Creed)

8. One of this person’s papers claims that that business profits show high conformity and greater amplitude than other time series and that prices are procyclical. This social scientist’s novel criticism of Keynes’ contention that government should manipulate the economy in the short run claims that doing so reduces the probability that more permanent ways of effecting institutional improvement may be found. His most important theory undermines the model behind the Phillips curve because it predicts that people will not be fooled by artificially inflated wages indefinitely. For ten points, name this economist who is known for his work on business cycles and whose work on the rational expectations hypothesis won him the 1995 Nobel.

Answer: Robert E. **Lucas** Jr.

9. In this work’s third chapter, the main character finds that a watercolor of irises that she’s painted as a gift pales in comparison to a framed photograph of the Coliseum, which is dwelt on for some time. The dialect-speaking Walter slams a door, after which the title character washes dishes over the protestations of her mother. In the end, that character surrenders to the whims of Frincke’s Business College. Her father, a low level employee in a drug company, and her mother, a nagging harridan, are the main causes of her family’s disintegration; this causes her to frequently escape to fantasies. For ten points, name this novel about a would-be social climber in a small Midwestern town; a 1921 work by Booth Tarkinton.

Answer: **Alice Adams**

10. He was introduced to African nationalist politics while he was a student at University College in Fort Hare, South Africa and during his time as a teacher in Ghana. He formed an African National Union as a breakaway group from an African People’s Union in 1963, but was arrested the following year for subversion and spent ten years in prison. The *gukurahundi* is a euphemism for a campaign of atrocities undertaken by the Fifth Brigade under the leadership of this politician after he assumed the Prime Ministry in 1980. After eliminating the power base of the ZAPU, he established a one party Marxist government after his election as executive president in 1988. For ten points, name the first and so far only president of Zimbabwe.

Answer: Robert Gabriel **Mugabe**



### **The Illinois Open 2006: Spite Burn**

**Tossups by Illinois (Donald Taylor, Kelly Tourdot, Scott Green, Micah Hodosh, Sulee Cao, Steven Canning) feat. California (Mary Huang, Steve Kaplan, Paul Lujan, Kha Lai, Ray Luo, Jay Turetzky, Dwight Wynne)**

1. The first look at his first couture show was a simple navy peacoat and loose white pants, which he showed again in Spring, 2002 as a retrospective. His label's current head designer is Stefano Pilati, who covered the runway in real violets for the latest collection. He took over the house of Dior after the founder died and launched the innovative trapeze line his first year there. Among his most noted designs are the Mondrian dress from 1965; *le smoking*, which is a tuxedo for women; and the safari suit of 1968. He was inspired by the Left Bank of Paris, dedicated a collection to the people there, and named his ready-to-wear boutiques *Rive Gauche* thereafter. For ten points, name this iconic Algerian-born French designer whose most famous perfume is the controversial *Opium*.

Answer: Yves Henry Donat Mathieu **Saint Laurent**

2. This group first came to prominence in the 1912 elections, when it was led by Song Jiaoren. Following a reconstitution, Russia sent Michael Borodin to aid this organization and at its First National Congress in 1924, its members decided to reorganize it into an alliance of classes. Challenged in recent years by the DPP, it originated in the Xinhai revolution, and eventually reformed from the remnants of Tong Meng Hui. Challenged in recent years by the DPP, it instigated the Northern Expeditionary War in 1926 before gaining diplomatic recognition; this occurred two years after it purged Communists and several after its endorsement of the Three Principles of the People. For ten points, name this Chinese Nationalist Party of the early twentieth century that remains a player in Taiwan.

Answer: **Kuomintang** (or **Kuo-min Tang**; prompt on "National People's Party" or "Nationalist Party")

3. He notes that "a library may be very large, but if it is in disorder, it is not so useful as one that is small but well arranged" in the section "On Thinking For Oneself" from *The Art of Literature*. His *Essays on Ghost-seeing* and *Aphorisms on Practical Wisdom* are collected in the *Parerga and Paralipomena*, and his "On Vision and Colors," written while at Dresden, supported Goethe's theory against Newton's. Author of *On the Fourfold Root*, he based his most important work on the four topics of knowledge, nature, aesthetics, and ethics; in that work, death and art are liberators of will according to the philosophy of pessimism. For ten points name this author of *The World as Will and Idea*.

Answer: Arthur **Schopenhauer**

4. This person's first work was a translation of *Balthasar*, not long after writing which he co-founded the literary magazine *Shin Shicho*. References to two of his favorite authors, Strindberg and Flaubert, can be found in his *Cogwheels*. He considered *The Noose* in 1916 and imagined *Christ in Nanking* in 1918. Akira Kurosawa made two of his works into a movie, one of which concerns a rape/murder in tenth-century Tokyo. For ten points, name this author of *In a Grove* and *Rashoman*; the namesake of a prize for Japanese short story writing.

Answer: **Akutagawa** Ryunosuke

5. The Reissner-Nordström metric must be used near ones with charge. The so-called holographic principle states that the maximum entropy of a space is the entropy of the largest one of these that can fit into that space and the normalized entropy of one is a fourth of its surface area. The no hair theorem guarantees that only their mass, charge and angular momentum are observable; one with non-zero values for all those properties is known as a Kerr-Newman one. The principle of cosmic censorship claims that the interior of these are causally separated from the rest of the universe by an event horizon. For ten points, identify these compact, very dense astronomical objects of which Cygnus X-1 is probably one.

Answer: **black holes**