## 2001 Chicago Open

## Tossups by Loyola University, Jason Paik, and GWU

1. Nastenka brings him tea and food when he asks and cares for him later on. His doctor Zossimov knows all is not right, but he is safe for a while because of Mikolka's false confession. His last encounter with the character of "Gunpowder" stuns him with the news of Svridigailov's suicide, which confuses him to the point that only the sight of Sonya's face causes him to return to the police station at the end. FTP, name this murderer of a pawnbroker and protagonist of Dostoyevsky's Crime and Punishment.

Answer: Rodion Romanovitch Raskolnikov
2. Due to its provisions, the Hapsburgs gained control of Belgium and Milan. After it, one of the participating countries and its American possessions were ruled by the House of Bourbon under Philip V. As a part of it, Britain concluded the Asiento agreement, and its final parts were drawn out in the Treaties of Rastatt and Baden. FTP, give the name for this group of measures signed in the Netherlands in 1713 and 1714, which saw the official end of the War of the Spanish Succession.

Answer: Peace of Utrecht (or Treaty of Utrecht)
3. It was first isolated around 1914, but its functional significance was not established until 1921 by Otto Loewi. It can be destroyed by its namesake esterase, making it the only one of its group that is capable of being enzymatically degraded. Shown to be in short supply in the brains of Alzheimer's patients, this chemical has the formula C7-H16O2. It is now known to be an important vasodilator and to function as the signal agent across the synapse during the transmission of nerve impulses. FTP, name this neurotransmitter.

Answer: acetylcholine
4. The music of this opera became known through a symphony adapted from its score that included three movements, of which the first "The Concert of the Angels," is taken from the overture. The title character at one point escapes with his beloved, Regina, to Odenwald but gives her up to devote himself to his work. Set during the Peasants War of 1524, its other notable music parts include "The Entombment" and "Temptation of Saint Anthony." FTP, name this opera completed in 1934 by Paul Hindemith.

Answer: Mathis der Maler or Mathias the Painter
5. Most of the characters in its pages are teenage girls, while their boy counterparts play games, under the tutelage of the beautiful Phoenix. Also known as The Story of the Stone, it tells the tale of a young poet and his love interests with his cousins and maid servants. The protagonist, Paoyu, eventually marries Baochai in the milieu of the fall of the Chia family. FTP, name this 120 -chapter work, written in the early $18^{\text {th }}$-century and considered the greatest of all Chinese novels.

Answer: The Dream of the Red Chamber or A Dream of Red Mansions
6. This short-statured politician was elected as Senator on her first try in 1992, and in her reelection bid, she garnered the highest number of votes in her country's history. In her inauguration speech she told her people to look back with pride on the revolts of Katipunan and Mactan. From 1961 to 1965, her father Diosdado (dee-ohs-DAdoh) held the position that is now hers, a position she attained following the resignation of President Joseph Estrada. FTP, name this current president of the Philippines.

Answer: Gloria Macapagal-Arroyo
7. A weaver who taught himself mathematics, he formulated the modern representation of Newton's method and extended it to functions of two variables. He's better known for a technique he revealed in his work, New Treatise of Fluxions, even thought it was already known to Cavalieri and Gregory in the $17^{\text {th }}$-century. The integral of " f of x on the interval ( $\mathrm{a}, \mathrm{b}$ ) equals the sum of an infinite series evaluated at n terms, times the length of the interval, divided by 3 times n, is, FTP, the eponymous rule for approximating integrals named for what Englishman?

Answer: Thomas Simpson
8. Circumcelliones was the term given to seasonal farm workers, who were the strongest supporters of it. Berbers continued to adhere to it, even as the Vandals later invaded and imposed Arianism. It arose over a dispute in which a bishop was branded a traditor who must hand over hand over his copy of the Bible to Diocletian, and a group of 70 bishops declared that church must exclude from the membership people guilty of serious sin. Lasting from 311 to 414 , when assemblies were banned, FTP, what was this Christian heresy, named for the bishop of Carthage?

Answer: Donatism
9. Having spent his entire career with the same team, he remains its all-time leader in at-bats, hits, and doubles. He had over 2000 hits in the first ten years of his career, which is a major-league record. His success in the postseason is also notable, tying a record one postseason with 10 hits in the World Series. It was an extra-inning home run off Charlie Leibrandt in another World Series that eventually led to his team's second title in five seasons. FTP, name this early retiree due to eye problems, a Minnesota Twins outfielder and recent inductee into the Baseball Hall of Fame.

## Answer: Kirby Puckett

10. The Enthusiastic Slingshooter and Attempt of the Infinite Man were solo creations, whereas Rings was the result of a collaboration with Tomas Lago. Works like Elemental Odes and Spain in My Heart were published during his time abroad and not indicative of his mature style like The Captain's Verses. At various times an ambassador to France and a consul to Burma, FTP, name this author of the collections Residence on Earth and Twenty Love Poems and a Song of Despair, a man born Neftali Ricardo Reyes who is considered Chile's greatest poet.

Answer: Pablo Neruda [accept early buzz of Neftali Ricardo Reyes Basoalto (either name)]
11. Its rise began with seizure of Allada and Whydah, under the onslaught of King Ajada and his band of woman warriors. King Gezo later extended its borders northward, but its final king, Behazin, was defeated and then exiled by the French, who abolished the slave trade that had served as the lifeblood of this empire. FTP, name this $17^{\text {th }}$ through $19^{\text {th }}$-century African kingdom, which later became the nation of Benin.

Answer: Kingdom of Dahomey
12. Although macroscopic, they always contain a Josephson junction where their ringlike structure narrows to a cross-section of one ten-millionth of a square centimeter. By Schroedinger's equation, they can be "tuned" by the application of radio waves to let stand a single wave of electrons. Therefore, in some respects, they can act as a single quantum particle. FTP, identify these rings, invented by Terry Clark, useful for measuring voltages and as switching components in high-speed computers.

Answer: SQUIDs or Superconducting Quantum Interference Devices
13. The highest point in this state is El Pichaho del Diablo, which stands at 10,154 feet high. Another important landmark is the Constituion de 1857 National Park, located in the Sierra de Juarez in the northern part of the state. Major cities include Ensenada, a tourist resort, Tecate, known for its beers, and its capital, Mexicali. FTP, identify this Mexican state, whose most populous city is Tijuana and which is located on the peninsula for which it is named.

Answer: Baja California
14. In the background upon close inspection one can see the sail of a ship, which is behind the slightly more apparent steaming train. On the right side are a series of arches that drop a shadow over the left center of the painting. The two most dominant images are the large headless, armless, and legless bust on the left and the phallic bunch of bananas to the right of that bust. FTP, name this quintessential 1913 example of Pittura Metafisica, the most famous painting by Giorgio De Chirico.

Answer: The Uncertainty of the Poet
15. After the two opening sections, this work moves onto the impartial opinion of "Tertium Quid." One of the title objects contained the "Definitive Verdict" and some manuscript letters as found by the author in a Florentine market stall. The story revolves around the fraud in which Pompilia is posed as a Comparini heir and forced to adultery by her husband, Count Guido Francheschini, who later murders his her, and is in turn sentenced to death. FTP, name this poem based on an actual Roman murder case, an 1868 work of Robert Browning's.

Answer: The Ring and the Book
16. Soon after its formation this kingdom suffered attacks on the eastern portions of Margiana and Aria, but the invading nomads were pushed back beyond the Jaxartes by Demodamas, the chief general to its first two kings. The provinicial strategoi ran much of the bureaucracy, but their inefficiency led to a drastic decline in its power after the ascension of Demetrius III. It enjoyed its greatest success under its second ruler, nicknamed Soter, and its founder and namesake, known as Nicator. FTP, name this kingdom ruled by a series of Antiochus' and carved out of the eastern part of Alexander the Great's empire.

Answer: Seleucid
17. Its primary advantage is that it requires a small sample size and does not damage the sample at all. Its namesake phenomenon was first observed independently by Bloch and Purcell and is typified by a proton or neutron precessing in the same way that the axes of spinning tops trace out cone-shaped surfaces. The results are plotted resulting in characteristic peaks in certain frequency regions depending on whether the carbon-13 or proton variety is being used. FTP, identify this type of spectroscopy.

Answer: NMR or nuclear magnetic resonance spectroscopy
18. His moved away from his primary field with such later works as Essays in Persuasion and Essays in Biography. One year after he proposed the international clearing union, he played a leading part in the formulation of the Bretton Woods agreements. Yet by that time he had already made his mark with a theory of "justifiable induction" in his Treatise of Probability and a harsh commentary on the Versailles Treaty in his Economic Consequences of the Peace. FTP, name this man who married a Diaghilev ballerina, the English economist author of General Theory of Employment, Interest and Money.

Answer: John Maynard Keynes
19. Her father shares his name with the father of Aegyptus and Danaus. She had a sister who drowned herself in the River Numicius and was later venerated as the nymph Anna Perenna. After her husband, Sychaeus, was slain by her brother, Pygmalion, this daughter of Belus fled to the land of Iarbas, a foolish chieftan on whose land she created a new empire. Also known as Elissa, FTP, name this figure, the reputed founder of Carthage who burned herself to death after being spurned by Aeneas.

Answer: Dido
20. He was forced to flee after his mentor, Judah Shoshan, was arrested and executed. After settling down he began to write with such works as "Essay on the Calendar" and his "Treatise on Logical Terminology." Following his Epistle to Yemen he completed the "Letter on Apostasy" and the "Letter on Astrology," none of which was as influential as his Kitab al-Siraj, a commentary on his favorite religious text. FTP, name this man who also wrote the code of law entitled Mishne Torah and served as physician to Saladin, in whose court he completed The Guide for the Perplexed.

Answer: Maimonides or Moses ben Maimon or Rambam
21. It begins with Mrs. Morter leading a group of students in a reading of the Merchant of Venice. Rosalie is blackmailed into giving corroboration that she does not want to give by Joe Cardin's niece. Meanwhile, despite Judge Potter's ruling of compensation and apology, Joe breaks off his engagement with Karen and Martha shoots herself. This is all because of the lies of young, spoiled Mary Tilford. FTP, name this play set at the Wright-Dobie Girls School and centering on an accusation of lesbianism, a work by Lillian Hellman.

Answer: The Children's Hour

## 2001 Chicago Open

## Bonuses by Loyola University, Jason Paik, and GWU

1. Name these relations of Jason from the Quest for the Golden Fleece, FTP each:
A. He sacrificed the ram of Hermes and gave the Golden Fleece to King Aeetes of Colchis.

Answer: Phrixus
B. Jason's grandfather, his second wife Princess Ino forged a message from an oracle demanding the sacrifice of Phrixus and his sister Helle.

Answer: Athamus
C. He was Phrixus's brother and the man who usurped the throne from Jason.

Answer: Pelias
2. Answer the following about the unsuccessful battle for the Equal Rights Amendment, FTP each
A. Name the year in which the ERA first passed the Senate and was sent to the states for ratification. You will get five for being within five years.

Answer: 1972 (5 points for 1967-1977)
B. Name this most well known ERA opponent. She later went on to co-found the Eagle Forum.

Answer: Phyllis Schlafly
C. Of the 15 states failed to ratify the ERA by the 1982 deadline for ratification, 10 were in the old Confederacy and another was Mormon Utah. Name any two of the other four, for 10 points, all or nothing.

Answer: Arizona, Nevada, Missouri, Illinois
3. Name these possible related literary works:
A. For 10 points, The author published this autobiography in 1945, a year after he left the Communist party. It details his adolescence in the South and his young adulthood in Chicago, the setting for his most famous novel.

Answer: Black Boy
B. For 5 points, The protagonist Alex tells his own story, using a mixture of English and "nadsat talk," his futuristic, Russian-derived slang, in this Anthony Burgess novel.

Answer: A Clockwork Orange
C. For 15 points, This Michael Dorris novel tells the interwoven stories of Ida, Christine and Rayona, who represent three generations of Native American women.

Answer: A Yellow Raft in Blue Water
4. Give the common name of these carboxylic acids, FTP each:
A. Ethanoic acid $\left(\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{O}_{2}\right)$

Answer: Acetic acid
B. Pentanoic acid $\left(\mathrm{C}_{5} \mathrm{H}_{10} \mathrm{O}_{2}\right)$

Answer: Valeric acid
C. Octadecanoic acid $\left(\mathrm{C}_{18} \mathrm{H}_{36} \mathrm{O}_{2}\right)$

Answer: Stearic acid
5. Name these terms from real estate law, FTP each:
A. This is ability of a creditor to claim a property as payment for services or for improvements on the property.

Answer: lien
B. This term implies proprietary ownership, free and clear of conditions. It applies to most homes, apartments, and factories, when not under mortage.

Answer: fee interest
C. This is the a primary system of the registration of property title, common in Canada and the US. It involves registration followed by a mandatory period of investigation, and an indemnity fund that guarantees the owner against error in the title. It was named after its Australian creator in 1857.

Answer: Torrens System
5. Name these diplomatic agreements between the U.S. and Japan, FTP each:
A. This 1905 memo affirmed the Open Door Notes and recognized U.S. control over the Philippines and Japanese control over Korea.

Answer: Taft-Katsura Memo
B. This 1907 accord responded to numerous incidents of racial discrimination against Japanese in California with the Japanese agreeing to restrict the emigration of unskilled workers into the US.

Answer: Gentlemen's Agreement
C. This 1908 agreement reaffirmed the Open Door Notes and the status quo in Asia established earlier by the TaftKatsura Memo.

Answer: Root-Takahira Agreement
6. FTP each, name these types of fixed verse:
A. This type of verse is composed of three-line groupings, with a rhyme scheme of "aba, bcb, cdc" and so on. The conclusion of the poem is a quatrain in which the last line rhymes with the second line of the last tercet, as in "xyx yzyz." It was most famously used by Dante in his Divine Comedy.

Answer: Terza rima
B. This form requires a quatrain, usually in iambic pentameter. The first, second, and fourth lines of each quatrain rhyme. It was used for Frost's "Stopping by Woods on a Snowy Evening," but is more famous for the medieval work that gives it its name.

Answer: Rubaiyat
C. This fixed form consists of five three-line stanzas followed by a quatrain. It has only two rhymes, and the first and third lines of the first stanzas are used alternately as refrains throughout the poem. They are also the final two lines of the concluding quatrain, as in Dylan Thomas' "Do not go gentle into that good night / Rage, rage against the dying of the light."

Answer: Villanelle
7. Stuff about electric circuits.
A. For 5 points each, name the three circuit elements found in an R-L-C circuit.

Answer: Resistor, Inductor and Capacitor
B. For 15 points, This condition occurs in a circuit when the capacitive reactance $\left(\mathrm{X}_{\mathrm{C}}\right)$ is equal to the inductive reactance $\left(X_{L}\right)$. The overall result is that the impedance $(Z)$ is equal to the resistance $(R)$. It is associated with a particular frequency for each circuit.

Answer: resonance
8. June saw the punting of a certain denigrator of gays, immigrants and New Yorkers. Name these players involved in that trade:
A. For 5 points, Name the dufus denigrator, the former closer for the Atlanta Braves

Answer: John Rocker
B. For 5 points each, Name the two pitchers from the Cleveland Indians sent to the Braves in the deal.

Answer: Steve Karsay and Steve Reed
C. For 5 points each, Name the Braves' and Indians' general managers, the architects of the trade.

Answer: John Schuerholz and John Hart
D. For 5 points, Name this $19971^{\text {st }}$ round draft pick for the Braves, the minor leaguer packaged in the deal to Cleveland.

Answer: Troy Cameron
9. Name these branches of Buddhism, FTP each:
A. It developed in China and later in Japan, and its name is derived from the Sanskrit dhyana meaning "meditation." Emphasis is placed on meditation problems, or koans (koh-ahns).

Answer: Zen or Ch'an Buddhism
B. One of the most popular forms in Eastern Asia, its followers believe that rebirth in Amitabha's Western Paradise is ensured to all those who invoke Amitabha's name with sincere devotion.

Answer: Pure Land Buddhism or Ching-t'u Buddhism
C. It is similar to Pure Land Buddhism in that it is also centered on the "Lotus of the True Law," but this branch is named for a $13^{\text {th }}$-century militant prophet.

Answer: Nichiren Buddhism
10. Name these early explorers of America:
A. For 5 points, This Italian sailed under the King of England and was the first European to land on mainland North America since the Vikings.

Answer: John Cabot or Giovanni Caboto
B. For 10 points, This other Italian sailed under the King of France and explored the American coast from North Carolina to Maine, specifically in and around modern day New York City.

Answer: Giovannia da Verrazano
C. For 15 points, This English nobleman funded the efforts of Martin Frobisher and unsuccessfully attempted to plant a colony in Newfoundland in 1578. He was lost at sea in 1583.

Answer: Sir Humphrey Gilbert
11. Name these Graham Greene novels, FTP each:
A. The main character, Mr. Wormold, is a vacuum salesman, who takes on a spy job in jest to support his daughter's expensive habits. He soon starts submitting vacuum designs as complex maps all to a believing espionage service back home in London.

Answer: Our Man in Havana
B. Query, a world famous architect, goes to an African leper colony after losing interest in everything. Sadly for him, as he starts to regain a sense of the world, he is murdered for being thought to have slept with another man's wife.

Answer: A Burnt Out Case
C. Greene's best novel, this moving work chronicles the affair of the Maurice Bendrix and Sarah Miles, whose ultimate promise in a moment of desperation results in her conversion to Catholicism and the conclusion of her relationship with Bendrix.

Answer: The End of the Affair
12. Answer these questions about connections between the plasma membranes of cells, FTP each:
A. These are the proper names of the thin cytoplasmic connections between cells

Answer: desmosomes
B. These are the names of the pores themselves, specifically in plant cells, which facilitate the movement of sugars and amino acids between cells.

Answer: plasmodesmata
C. These are areas of low electrical resistance between animal cells across which impulses, small ions and molecules may pass.

Answer: gap junctions or nexus junctions
13. Name these teachers at the Bauhaus:
A. For 5 points, This German was the founder of the school and taught there as well.

Answer: Walter Gropius
B. For 10 points, On the staff of the Bauhaus from 1920 to 1931, he is best-known for his painting Twittering

Machine and his Pedagogical Sketchbook.
Answer: Paul Klee
C. For 15 points, This constructivist explored the nature between light and motion in works such as Double Loop and Space Modulators. Teaching at the Bauhaus from 1923-1928, he later founded the Chicago Bauhaus School.

Answer: Laszlo Moholy-Nagy
14. Name these mountain ranges from around the world, FTP each:
A. The eastern and western portions of this range surround the Deccan plateau.

Answer: Ghats
B. The Cilician Gates lie in this mountain range lying on the southern coast of Turkey.

Answer: Taurus Mountains
C. Tahat is the highest peak in this range in southern Algeria.

Answer: Ahaggar Mountains
15. Name these European groups:
A. For 5 points, This group of 17 German states was briefly united under the aegis of the Napoleonic empire.

Answer: Confederation of the Rhine
B. For 15 points, By the terms of this union of 1397 Norway, Sweden, and Denmark were under a single monarch until 1523.

Answer: Kalmar Union
C. For 10 points, Everybody's favorite European group has to be this defensive alliance of Protestant states formed during the German Reformation in 1531.

Answer: Schmalkaldic League
16. Name these Sturm und Drag authors and works, FTP each:
A. He wrote such works as The Man of the World and the Poet, and Confusion, or Storm and Stress. His plays contain bombastic tirades intended to express passion, as found in The Twins and Stilpo and his Children.

Answer: Friedrich Maximilian von Klinger
B. This Goethe drama is based on a story of a $16^{\text {th }}$ century German robber knight whose adventures lead to a peasant insurrection.

Answer: Gotz von Berlingen
C. Many of the German authors were heavily influenced by this Scottish poet of Temora and Fingal, who claimed that much of his work was based on previous work by a supposed $3^{\text {rd }}$-century poet by the name of Ossian.

Answer: James Macpherson
17. Name these biological terms that begin with the same, FTP each:
A. This is the process by which new genetic material such as plasmid is introduced into bacteria.

Answer: transformation
B. This is the process by which new genetic material is introduced into mammalian cells.

Answer: transfection
C. This is the process by which genetic material is introduced to bacteria by conjugation.

Answer: transduction
18. Name these minimalist composers who are not named Glass, FTP each:
A. One of the pioneers of the movement is this composer, whose The Tortoise: His Dreams and Journeys was an improvisation in which instrumentalists and singers come in and out on various harmonies over a fundamental played as a drone by a synthesizer.

Answer: La Monte Young
B. This composer developed a quasi-canonic procedure in which musicians play the same material slightly out of phase with each other. Recent works include New York and Vermont Counterpoint, but he is best known for this Piano Phase and Violin Phase.

Answer: Steve Reich
C. This neo-romanticist includes more harmonic and motivic development than other minimalists as is reflected in works such as Grand Pianola Music and Harmonium. His best known work is the opera Nixon in China.

Answer: John Adams
19. FTP each, name the logical fallacy based on the description.
A. One arguer advances a certain argument, with the other responding by directing his attention not to the first person's argument but to the first person himself. For example - Mike Angels says to Chris Vicich: "Chris, Jane Austen is the best novelist ever. Look at the popularity of her six works, and the brilliantly funny epistolary work Lady Susan." Chris Vicich responds, "You suck."

Answer: Argumentum ad Hominem or Argument Against the Person
B. Arguer distorts an opponent's argument for the purpose of more easily attacking it, demolishes the distorted argument, and then concludes that the opponent's real argument has been demolished.

Answer: Straw Man
C. The premises of the argument state that nothing has been proved one way or the other about something, and the conclusion then makes a definite assertion about that thing.

Answer: Appeal to Ignorance or Argumentum ad Ignorantiam
20. Name these months of the French Revolutionary calendar, FTP each:
A. On the $18^{\text {th }}$ of this month, a.k.a. early November, a coup d'etat overthrew the Directory which ended with the dictatorship of Napoleon Bonaparte, seen as the effective end of the French Revolution, took place.

Answer: Brumaire
B. This month, coinciding with late February and early March, gave its name to a series of decrees, issued but never put into effect, that provided for the confiscation of the property of enemies of the revolution and distribution to needy patriots.

Answer: Ventose
C. This month, coinciding with late July and early August, remains the best known of the months because it gave its name to the coup that ousted Robespierre and the Reign of Terror from power.

Answer: Thermidor

