

The Omar Bongo Academic Tournament University of Pittsburgh: March 23, 2002

Questions by Mike Baker, Heather Brown, Mike Davies, Beth Davis, Amie Dupin, Jonathan Misurda, Rich Nalichowski, Josh Sokoloski, Jennifer Sydeski, and Matt Weiner

PACKET G TOSSUPS

1. The holding in this case declared that only cases where concurrent jurisdiction is not contradictory may states enact additional laws in a federal sphere, because Congress always has the final word in specifically enumerated areas. The Court ruled that Congress's power to regulate interstate commerce had been usurped when New York granted a monopoly. FTP, name this 1824 decision written by John Marshall, arising from a suit between rival steamboat operators.

ANSWER: Gibbons v. Ogden

2. This compound is formed from the treatment of N-methyl-N-nitrosourea with a strong aqueous base in the presence of ether at zero degrees Celsius. Its most common use is in synthesis of methyl esters from carboxylic acids. When it is exposed to heat, light, or a copper catalyst, it releases nitrogen gas in forming the simplest, most reactive of the carbenes, methylene. Methylene then adds stereospecifically across double bonds to form cyclopropane rings. FTP, identify this highly toxic and explosive compound, with formula CH_2N_2 .

ANSWER: diazomethane

3. Mount Cintu is its highest point, while swampy lowlands may be found in the eastern coastal plain, Aleria. Speaking a unique Tuscan-influenced dialect, its cities include Bastia, Ajaccio, and Calvi. It is entirely surrounded by a protected dolphin habitat, including on the south, where the Strait of Bonifacio separates it from another island. FTP, name this French-controlled Mediterranean island.

ANSWER: Corsica

4. Currently led by CEO Andrew J. Schindler, its minor brands include YSL, Horizon, Magna, Planet, Sterling, and Monarch. Selling slightly better are More, Now, Best Value, Eclipse, and Vantage. Its leading value-priced brand is Doral, while its flagship products are Camel and two brands named for its home city, Winston and Salem. FTP, name this second-largest U.S. cigarette manufacturer.

ANSWER: R.J. Reynolds

5. It was passed over the veto of Rutherford Hayes, although the President was able to suppress its execution by fulfilling only its minimum requirement. The version written by the Missouri Representative authorized unlimited coinage, while the Iowa Senator's compromise bill placed a four million dollar cap on monthly purchases. FTP, name this 1878 act which required a minimum of two million dollars worth of silver to be purchased each month, supplanted in 1890 by the Sherman Silver Purchase Act.

ANSWER: Bland-Allison Act

6. The shocking first appearance of the title character of this novel was based on the actual meeting of the author and Caroline Graves, while the character of Marian Halcombe was based on George Eliot. An engagement to Percival Glyde prevents Mr. Fairlie's niece Laura from marrying her love, but Walter Hartwright's reaction exposes

the plot behind the unjust institutionalization of Anne Catherick. FTP, name this novel by Wilkie Collins.

ANSWER: The *Woman in White*

7. The Republican candidates for lieutenant governor in this state, Jim Rappaport and Patrick Guerriero, will vie for the nomination at the convention, as the consensus gubernatorial candidate, the son of a former Michigan governor, has failed to make a choice. Democrats have to choose a candidate from Steve Grossman, Tom Birmingham, Robert Reich, and Shannon O'Brien. FTP, name this state in which Republican Mitt Romney will attempt to succeed current acting governor Jane Swift.

ANSWER: Massachusetts

8. In this section of a larger organ, foods are mixed with bile from the gall bladder and digestive fluids from the pancreas after being combined with stomach acids. FTP, name this section of small intestine, situated between the stomach and the ileum.

ANSWER: duodenum

9. After three years in prison, he wrote the poetry volumes *Ex Ponto* and *Nemiri*, then turned to fiction with "The Journey of Alija Djerzelez." He then spent twenty years as a diplomat, including an appointment as ambassador to Germany. He devoted his spare time to new volumes such as *The Devil's Yard* and a major work in which he represented himself as Mehmed Pasha Sokolli. FTP, name this author whose Bosnian trilogy consists of *Bosnian Chronicle*, *The Woman from Sarajevo*, and *Bridge on the Drina*.

ANSWER: Ivo Andric

10. He first came to prominence at age eighteen with *Rapsodie nègre*. His collaborators included the baritone Pierre Bernac and the poets Paul Éluard and Apollinaire, the latter of whose *The Breasts of Tiresias* inspired one of his opeas. The first work he wrote after converting to Catholicism was *Litanies à la vierge noire*, and he worked with Diaghilev on *Les Biches*. FTP, name this member of Les Six who revolutionized the organ concerto in 1938 and later composed *Dialogues of the Carmelites*.

ANSWER: Francis Poulenc

11. He looked forward to Judgment Day, making lengthy plans to mock Jews and writing "how shall I admire, how laugh, how rejoice, how exult, when I behold so many proud monarchs groaning in the lowest abyss of darkness." He joined the ascetic Montanists in 207, and his writings defend Christianity's role in Roman society in *Apologeticus* and decry Roman entertainments in *Concerning Theater*. FTP, name this man who shifted Christian writing from Greek to Latin and coined the term "original sin."

ANSWER: Tertullian

12. It prevents the growth of bacteria, has no taste and a sweet odor, and is used in the dairy industry as a foaming and mixing agent. Rapid destruction of trees causes soil organisms to stop producing this infrared-absorbing substance. It is produced by the careful heating of ammonium nitrate. FTP, name this substance which causes intoxication, euphoria, and dizziness when inhaled, with formula N₂O.

ANSWER: nitrous oxide [accept N₂O before it is mentioned]

13. A 1912 candidate for governor of New Hampshire on the Progressive ticket, his later works were socially conscious novels such as *Coniston*, *The Inside of the Cup*, and *The Dwelling-Place of Light* and a dense religious text twenty years in the making called *The*

Uncharted Way. He made his name with historical fiction including *The Crossing* and *The Crisis*. FTP, name this American author of *Richard Carvel* who shares his name with the British writer of *History of the English-Speaking Peoples*.

ANSWER: Winston Churchill

14. His earliest surviving work is a fresco in the Florence Cathedral which depicts a statue of John Hawkwood. He did a series of Biblical frescoes at the Green Cloister of Santa Maria Novella. He became one of the first Italians to paint on canvas with his *St. George and the Dragon* and also created *The Hunt in the Forest*. FTP, name this man whom Vasari says was nicknamed for his love of birds, creator of the *Battle of San Romano*.

ANSWER: Paolo Uccello [or Paolo di Dono]

15. The three classes are simple, social, and one which deals with public situations. Treatment techniques include systematic desensitization, which builds closer and closer to the triggering entity, and exposure therapy, which forces the victim to confront the entity. FTP, identify this term for an irrational fear fixed on a single object or situation.

ANSWER: phobias

16. He re-established the observation of the law requiring capital cases to be tried by the entire people. In 123 BCE, he attempted to transfer the responsibility for trying extortion cases to the Equites in order to counter the power of the Senate. Although he funded a discounted bread program in Rome, the citizens opposed his plans to extend citizenship to all Italians, and his land reform program ended with his election defeat and death in 121. FTP, name this man who continued the reforms of his murdered brother Tiberius.

ANSWER: Gaius Sempronius Gracchus [accept Caius Sempronius Gracchus; prompt on Gracchus]

17. *Mockery of the Fates*, *Radubis*, and *Kifah Tibah* were the only books he completed in an abandoned emulation of Scott's Waverly series. By accepting the post of Director of Censorship, he prevented domestic suppression of works which were banned in many other countries, such as *Autumn Quail* and *The Children of Gebelaawi*. His major work focuses on the family of al-Sayyid Ahmad Abd al-Jawad and consists of *Palace Walk*, *Palace of Desire*, and *Sugar Street*. FTP, name this author of the Cairo trilogy.

ANSWER: Naguib Mahfouz

18. He was financed by James Ormond. Charles VIII of France endorsed him, then repudiated him under the Treaty of Etaples. Holy Roman Emperor Maximilian I gave him support two years later, and James IV of Scotland gave him shelter and military aid. His actions resulted in the temporary expulsion of Flemish merchants from England and the executions of Edward, Earl of Warwick; William Stanley; and himself. FTP, identify this pretender who landed at St. Ives in 1497, claiming to be Richard of York.

ANSWER: Perkin Warbeck

19. One of many concepts introduced by John von Neumann in the late 1940s, they can be thought of as discrete representations of the physical world or as parallel computers. They are most simply defined as existing in an n-dimensional lattice with dynamic behavior brought about through the application of rules. FTP, name these systems, most famously exemplified in the 1960s by John Horton Conway's Game of Life.

ANSWER: cellular automata

20. It was founded by Yang Jian, and Jian's son Guang built the City of Great Prosperity at Daxingcheng. This dynasty saw the introduction of the Equitable Field System, a land reform plan, and the start of the construction of the Grand Canal. It ended after the spectacular failure of two expeditions against Korea and the murder of Yang Guang, when Li Yuan established the Tang. FTP, name this dynasty which re-unified China during its 589 to 618 rule.

ANSWER: Sui dynasty

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PACKET G BONI

1. Answer these related questions for 10 points each.

- On November 8, 1861, this British mail ship was stopped by a Union military vessel, and two Confederate officials were taken prisoner.

ANSWER: Trent

- Named for an 1836 battle, this was the U.S. ship that stopped the *Trent*.

ANSWER: San Jacinto

- The cavalry commander at San Jacinto, he was the second president of Texas. He pursued an anti-Indian policy and wrote poems such as "Carmelita" and "The Daughter of Mendoza."

ANSWER: Mirabeau Bonaparte Lamar

2. Name these Japanese authors for 10 points each.

- This contemporary female author has written *Second Honeymoon*, *Moonlight Shadow*, and *Amrita*, none of which have matched the success of *Kitchen*.

ANSWER: Banana Yoshimoto [or Yoshimoto Maiko]

- This author of the mid-twentieth century wrote *Some Prefer Nettles* and *The Makioka Sisters*.

ANSWER: Tanizaki Junichir_

- This author of *The Norwegian Wood* also wrote the Trilogy of the Rat, consisting of *Hear The Wind Sings*, *Pinball* 1973, and *The Wild Sheep Chase*.

ANSWER: Haruki Murakami

3. Name these Middle Eastern terrorist groups for 10 points each.

- In 1987, it broke from the Muslim Brotherhood and established the Izz el-Din al-Qassam Brigades, which carry out suicide bombings and assassinations of Palestinian peacemakers. It raises money through American front groups such as the Holy Land Foundation.

ANSWER: Hamas [or Islamic Resistance Movement]

- This Shiite group wants Lebanon to become a fundamentalist Muslim country.

ANSWER: Hezbollah [or Party of God]

- In March 2002, Colin Powell began the process of formally branding this group a terrorist organization. The militant wing of Yasser Arafat's Fatah party, they killed three and wounded sixty in a March 21 suicide bombing at a market.

ANSWER: Al Aqsa

4. Name these Confucians for 10 points each.

- This disciple of Confucius took the lead in writing down the master's sayings and preached an interpretation of Confucianism based on the goodness of human nature.

ANSWER: Mencius [or Mengze]

- This contemporary of Mencius argue that human nature was evil, stressing the importance of following the Confucian rules for maintaining social order.

ANSWER: Xunxi [accept Hsün-tzu but remind people that Wade-Giles transliteration is outdated by five decades or so]

•He re-established the White Deer Grotto Academy in the 1180s, becoming the founder of the "principled" school of Neo-Confucianism, which became the model for study of Confucianism in Korea, Japan, and the west.

ANSWER: Zhu Xi

5. Name these choreographers for 10 points each.

•This longtime partner of Charles Weidman developed new "fall and recovery" techniques and served as artistic director for Jose Limón's company.

ANSWER: Doris Humphrey

•This creator of the *Blues Suite* and *Revelations* formed a namesake American Dance Theater in 1958.

ANSWER: Alvin Ailey

•This onetime Ballets Russes member created several plotless ballets, such as *The Four Temperaments* and *Jewel*.

ANSWER: George Balanchine

6. Name these Vladimir Nabokov novels for 15 points each.

•The title character, a professor at Waindell College, is a Russian immigrant with a bemused but appreciative attitude towards American society.

ANSWER: Invitation to a Beheading

•It is the story of Van, who fell in love with his cousin, who is actually his sister. It also discusses N., who, "by deciding that certain ancient wars, which were lost, should have been won, has rearranged history to suit himself."

ANSWER: Invitation to a Beheading, or *Ardor: Family Chronicle*

7. Name these Roman poets for 10 points each.

•Objects of his poems include Clodia under the name of Lesbia, Juventius, his deceased brother, and his "sparrow."

ANSWER: Gaius Valerius Catullus

•Known for inserting a barb at the last line of a work was first-century epigrammist, author of "Man's Inhumanity to Man," "To Quintus," and "A Total Absterger."

ANSWER: Marcus Valerius Martialis

•He wrote two books of elegies, one to Delia and the other to Nemesis.

ANSWER: Albius Tibullus

8. Name these treaties signed during or soon after World War I for 10 points each.

•Russia withdrew from the war, ceded Baltic and Polish territory to Germany, and withdrew from Finland and Ukraine under this 1918 agreement, disavowed first by Lenin and then the Allies.

ANSWER: Treaty of Brest-Litovsk

•Signed in 1920, this treaty devolved parts of what became Romania, Czechoslovakia, and Yugoslavia from Hungary.

ANSWER: Treaty of Trianon

•Superseding the Treaty of Sèvres, it ended the Greco-Turkish War by ceding eastern lands to Turkey and agreeing that Turkey and Greece would deport Christians and Muslims to the respective other country.

ANSWER: Treaty of Lausanne

9. Given the child of Zeus, name the mother for 10 points each.

•Hermes

ANSWER: Maia

•Iasius, Dardanus, and Harmonia

ANSWER: Electra

•Perseus

ANSWER: Danae

10. Answer the following about a theory for 10 points each.

•This consists of two postulates: the laws of physics take the same form in all inertial frames, and in any inertial frame, the velocity of light is the same whether the light is emitted by a body at rest or by a body in uniform motion.

ANSWER: special relativity [prompt on relativity]

•In the Lorentz contraction, the observed length is the proper length multiplied by the square root of what expression?

ANSWER: $1-(v^2/c^2)$

•For an object observed to be traveling at square root of 5 over 3 times the speed of light, the observed length will be what fraction of its proper length?

ANSWER: 2/3

11. Name these fractals from a description of their construction for 10 points each.

•Start with the recurrence $Z_{n+1} = Z_n + C$, and plot the point in a color representing the number of iterations that it took to get distance of $Z(n)$ from the origin to exceed the square root of 5.

ANSWER: Mandelbrot Set

•Start with an equilateral triangle, remove the inner third of each side, and build another equilateral triangle at the location where the side was removed. Repeat.

ANSWER: Koch Snowflake [or Koch Island]

•Start with an equilateral triangle and remove an inverted equilateral triangle from the inside. Repeat on the remaining triangles.

ANSWER: Sierpinski's Sieve [or Sierpinski's Gasket; or Sierpinski's Triangle]

12. Given what they separate, name these Eastern Hemisphere straits for 10 points each.

•Tasmania and mainland Australia

ANSWER: Bass Strait

•India and Sri Lanka

ANSWER: Palk Strait

•New Guinea and Australia's Cape York Peninsula

ANSWER: Torres Strait

13. Your choices are M1, M2, and M3. Given a type of money, tell all groups in which it is counted for 10 points.

•A money market mutual fund

ANSWER: M2 and M3

•A four hundred thousand dollar time deposit

ANSWER: M3

•A checking account

ANSWER: M1 and M2 and M3

14. Name these baseball teams which moved to or from Milwaukee for 10 points each.

[Accept either the city or the nickname for all parts]

•In 1901, the American League team known as the Milwaukee Brewers became this team.

ANSWER: St. Louis Browns

- The current Milwaukee Brewers played their first season as this team.

ANSWER: Seattle Pilots

- This National League team moved to Milwaukee in 1953.

ANSWER: Boston Braves

15. Identify these types of mass earth movements for 10 points each.

- The sudden, rapid motion of a large, unbroken, unsaturated mass of bedrock and/or soil, it can be translational or rotational.

ANSWER: landslide

- Slow, continuous movement of soil that is the cause of outward-leaning retaining walls and J shaped trees.

ANSWER: creep

- Human-induced mass movement, such as in open pit mines.

ANSWER: scarification

16. Answer the following about a Moliere play for 10 points each.

- This play opens as Alceste and Philinte discuss motives and the wisdom of being blunt with criticism. Oronte presents a poem, and eventually Philinte and Eliante are married.

ANSWER: "The Misanthrope" [or "The Misanthropist"; or "Le Misanthrope"]

- This character in "The Misanthrope" wrote a secret letter to Oronte while purporting to love Alceste. The bulk of the play takes place in her apartment.

ANSWER: Celimine

- The 1825 play *Wit Works Woe* by this author transports the plot of "The Misanthrope" to contemporary Russia.

ANSWER: Aleksandr Sergeyivich Griboyedov

17. Name these nineteenth-century rulers of Haiti for 10 points each.

- A onetime slave, he overthrew the French and ruled Haiti in 1801 until taken prisoner by Charles Leclerc.

ANSWER: François Dominique Toussaint L'Ouverture [accept L'Ouverture]

- This military leader expelled Leclerc in 1804 and ruled as emperor-for-life until his 1806 assassination.

ANSWER: Jean Jacques Dessalines

- One of Dessalines's assassins, he became president of north Haiti and fought Alexandre Pétion in a civil war. Upon defeating Pétion in 1811, he proclaimed himself king and ruled until his 1820 suicide.

ANSWER: Henri Christophe

18. Name these medical conditions for 10 points each.

- This disease, an inborn error of metabolism, is caused by the absence of the enzyme phenylalanine hydroxylase, but symptoms, including foul-smelling urine, can be prevented with diet.

ANSWER: phenylketonuria

- This autoimmune disease is characterized by the hardening and thickening of the skin from increased deposits of collagen.

ANSWER: scleroderma

- The absorption of water causes the fibers in the lens of the eye to swell and gradually become opaque, causing these impairments.

ANSWER: cataracts

19. Answer the following about an incident in Mexican history for 10 points per part.

- On October 2, 1968, three hundred student protesters were shot at this plaza in Mexico City.

ANSWER: Plaza de Tlatelolco [or the Plaza of Three Cultures]

- The massacre was ordered by this man, then the Minister of the Interior, who was president from 1970 to 1976.

ANSWER: Luis Echeverría Álvarez

- In 1999, similar student protests occurred at Tlatelolco against this then-president, who decided not to kill anybody.

ANSWER: Ernesto Zedillo Ponce de León

20. Name these families to which these languages belong for 10 points per part.

- Turkish, Mongolian, Korean, and Japanese

ANSWER: Altaic

- Tamil, Malayalam, and Telugu

ANSWER: Dravidian

- Hungarian, Finnish, and Mordvin

ANSWER: Uralic