

1996 Georgia Tech MLK Tossups by Florida 1

1. Justice John Harlan was quoted as saying, "The nation has been rid of human slavery, but the conviction was universal that the country was in real danger from another kind of slavery ... that would result from the aggregation of capital in the hands of a few." So spoken, FTP, on the 1890 enacting of what legislation against monopolies and cartels, which takes its name from an Ohio senator?

Answer: Sherman Anti-Trust Act

2. It includes the figures of Mercury; Venus, who represents the link of nature and civilization; Zephyr, the west wind, chasing Flora, the goddess of nature; and Cupid shooting his arrows toward Venus's handmaidens, the Three Graces. FTP, name the 1482 allegory painted by Sandro Botticelli.

Answer: La Primavera or Spring

3. Due to the absorption of energy when they contact loosely bound electrons, X-rays and gamma rays increase in wavelength and decrease in energy. FTP, what effect, taking its name from an American physicist and winner of the 1927 Nobel Prize in physics, is this?

Answer: Compton effect

4. He was a native of Bethsaida in Galilee, and traditionally believed to have been crucified on the Vatican Hill, with his head downward, so as not to emulate Jesus. His epistles are considered to be mistakenly attributed, though he is believed to have helped St. Mark write his gospel. FTP, who was this first Bishop of Rome, witness to the Transfiguration and leader of the disciples?

Answer: Peter

5. The title refers to a symbol of the past of the Ranevsky family, landowners now threatened by bankruptcy. They are forced from their home, whereupon the businessman Lopakhin begins to clear away the trees, representing the changing times and class structures of late 19th century Russia. FTP, name the work by Anton Chekhov.

Answer: The Cherry Orchard

6. With its source in north Zambia, it flows some 1600 miles. It has much hydroelectric potential, harnessed by the Kariba Dam on the Zambia-Zimbabwe border, and is well-known for its vast Victoria Falls. FTP, name this fourth longest African river.

Answer: Zambezi

7. It manufactures red blood cells in the fetus during late pregnancy, and lies under the diaphragm. It forms certain white blood cells, but its main function is performed by phagocytic cells which filter foreign organisms and old blood cells from the bloodstream. FTP, what is this vital organ?

Answer: spleen

8. He was undistinguished as a church leader, but with the help of his powerful father he was made a cardinal at a young age. Among his unsuccessful attempts at reform were the Fifth Lateran Council and the bull "Exsurge Domini." FTP, name the 16th century pope, born Giovanni de Medici and famous for being Raphael's patron and Martin Luther's excommunicator.

Answer: Leo X

9. A student of Lee Strasberg, she performed in film adaptations of the works of such playwrights as Clifford Odets, William Inge, and Arthur Miller, and shared the screen with such dissimilar performers as The Marx Brothers in Love Happy, Robert Mitchum in River of No Return, Bette Davis in All About Eve, and Ethel Merman in There's No Business Like Show Business, though she is probably best known for her performances in Some Like It Hot, Gentlemen Prefer Blondes and The Seven-Year Itch. FTP, name the actress.

Answer: Marilyn Monroe

10. It is composed of ten books, such as "The Last Tournament," "Gareth and Lynette," and "The Passing of Arthur," and focuses on the tainting of Camelot by Guinevere's adulterous love for Lancelot. Its production spanned from 1859 to 1885. FTP, name the popular series of connected poems by Alfred, Lord Tennyson.

Answer: Idylls of the King

11. She is believed to have lost favor with the King around the twelfth year of his reign, and was replaced by her eldest daughter in royal inscriptions. She was possibly an Asian princess, and was a devout follower of her husband's cult even as the King compromised with the old order. FTP, who was this queen of Egypt, wife of Akhenaton, and subject of a famous limestone bust?

Answer: Nefertiti

12. Born in 1809, he was the grandson of a philosopher, and a conductor who, in 1829, presented J.S. Bach's Passion According to St. Matthew for the first time after the composer's death. He wrote oratorios such as Elijah and St. Paul, overtures such as the Hebrides, piano sonatas, and symphonies -- all forms except for opera. FTP, who was this composer of the Reformation symphony, as well as incidental music to A Midsummer Night's Dream?

Answer: Felix Mendelssohn

13. He wrote works such as Phaenomena, Data, and On Divisions, and founded a school in Alexandria during the reign of Ptolemy I Soter. Born around 300 B.C., he is best known for a treatise revised by Theon in the 4th century A.D. FTP, who was this mathematician known for his compilation Elements?

Answer: Euclid

14. She emigrated from Britain in 1634, and quickly won a following. Because of her belief in the demonstration of God's will through the spirit, she was ostracized, and ultimately she moved to Pelham Bay Park, where she was killed by natives. FTP, name this Massachusetts Bay Colony heretic and religious leader.

Answer: Anne Hutchinson

15. As Robert Markham, he wrote a James Bond pastiche called Colonel Sun, but he is better known for his idiosyncratic comic novels such as That Uncertain Feeling and Jake's Thing. FTP, give the recently deceased novelist and poet, often linked to the Angry Young Men movement, and the author of Lucky Jim.

Answer: Kingsley Amis

16. Less chemically reactive than aldehydes, they are often classified together with them because of their structural and functional similarity. They are formed by the ozonation of double-bonded tertiary carbons and by the oxidation of secondary and tertiary alcohols, and are distinguished by the carbonyl group bonded to two radicals. FTP, what is this group of organic compounds?

Answer: ketones

17. He has written on the cycle of poverty in The Nature of Mass Poverty, which examines Third World economies. He probably experienced such economies first-hand in India as U.S. Ambassador from 1961-63. FTP, name this Keynesian, author of The New Industrial State and The Affluent Society.

Answer: John Kenneth Galbraith

18. Taking their name from army units from the 1920's, they were chiefly young workers and students whose militant patriotism led them to perpetrate numerous violent attacks on supposed reactionaries, and many were forced to submit to reeducation after the worst of the excesses of the Cultural Revolution subsided. FTP, name this paramilitary vanguard of supporters of Mao Zedong.

Answer: Red Guards

19. Her short stories have been collected in books such as The Troll Garden and Youth and the Bright Medusa, but she is better known for works concerning Roman Catholicism, such as Shadows on the Rock, and the advent of materialistic culture in the Midwest, such as A Lost Lady and One of Ours. FTP, name the journalist, poet, and novelist perhaps more famous for her book My Antonia.

Answer: Willa Cather

20. Named "trembling path" in Icelandic, it was said to be composed of precious stones which reflected various colors. However, it is not sturdy enough to support the fire demons of Muspellheim, who bring it crashing down at Ragnarok. FTP, name this bridge between Asgard and Midgard, guarded by Heimdall.

Answer: Bifrost

21. A Dutch scientist, Eijkmann, believed that polished rice, the staple food of some populations in the East Indies, was responsible for nerve disease. However, in 1911 this was disproven by the Polish researcher Casimir Funk, who found that beri-beri could be cured by a substance found in straw. FTP, name that substance, the first isolated vitamin discovered.

Answer: Thiamin or B1

22. Mostly the result of the Doppler effect or gravitational fields, it is perceived as the displacement toward longer wavelengths of light received from a celestial object. FTP, name this astronomical effect.

Answer: red shift

23. Satori in Paris, Visions of Cody, Mexico City Blues, Desolation Angels, Big Sur, The Subterraneans, The Dharma Bums, The Town and the City. FTP, name the author of these works, a cult hero of the Beat Movement.

Answer: Jack Kerouac

24. Unable to return to his native country because of World War II, he parlayed his architectural engineering degree from MIT into the position of assistant professor of the Harvard Graduate School of Design before creating his own firm in 1955 and designing the National Center for Atmospheric Research in Boulder and the terminal of the John F. Kennedy International Airport in New York City. FTP, name the architect, known for integrating structure and environment in such building as the John Hancock Tower in Boston and the entrance complex for the Louvre Museum.

Answer: leoh Ming Pei

25. Tried for treason in 1945, he was sentenced to life imprisonment at the age of 89. He had been a military hero at Verdun, and was appointed Minister of War in 1934. In 1940, he succeeded Paul Reynaud as Prime Minister, but by the time German forces occupied Vichy in 1942 he was the head of a Nazi puppet government. FTP, name this marshall of France and World War II head of state.

Answer: Henri-Philippe Pétain

26. All but 2,000 accepted the government's offer to pay their fare home from Anacostia Flats. The rest were evicted forcefully through the efforts of General Douglas MacArthur and Major Dwight Eisenhower, and some deaths resulted. FTP, give the collective name for these veterans who marched on Washington in 1932.

Answer: Bonus Army

27. Careful study of literary evidence led to the hill of Hissarlik in Turkey, and the archaeological dig was crude and chaotic. However, great treasures were found at the site, most of them plundered and taken to the Berlin Museum, and ultimately Heinrich Schliemann fulfilled his dream of unearthing the remains of, FTP, what Phrygian city?

Answer: Troy

28. Early in life he had expressed his conviction of the need to suppress physical desire, but on his 1893 trip to North Africa, he broke completely with that and became an unreserved hedonist, producing such autobiographical works as The Fruits of the Earth and Strait Is the Gate. However, his disillusionment with this sensualism, with the public's reaction to his homosexuality, and with the practice of Russian Communism led him to create such works as The Immoralist and The Counterfeiters. FTP, name the French author.

Answer: Andre Gide

29. Located on the Tietá River, it was founded by Jesuits in 1554, and was a minor commercial city until the state of its location, which shares the city's name, began coffee cultivation in the 1880's. It was there where Dom Pedro I declared independence from Portugal, and is the site of the biennial art exposition. FTP, name this metropolis and largest city of Brazil.

Answer: Sao Paulo

30. Considered the embodiment of chivalry, he was the seventh avatar of Vishnu, and perhaps an actual historical figure. He is depicted as an archer in sculpture, usually with his monkey follower Hanuman and his wife Sita. FTP, name this hero of Hindu mythology, subject of the shorter of the two great epic poems of India.

Answer: Rama

1996 Georgia Tech MLK Bonuses by Florida 1

1. Name the Shakespeare play from characters for 5 points each.

1. Ferdinand, Rosaline, Katherine
2. Saturninus, Aaron, Tamora
3. Adriana, Aegeon, Antipholus
4. Pandarus, Diomedes, Patroclus
5. Charmian, Iras, Enobarbus
6. Volumnia, Brutus, Sicinius

Answer: Love's Labour's Lost
Answer: Titus Andronicus
Answer: The Comedy of Errors
Answer: Troilus and Cressida
Answer: Antony and Cleopatra
Answer: Coriolanus

2. Identify the parts of the eye from description, 5-10-15.

1. 5: This transparent fixed lens of the outer eyeball allows light into the eye.
Answer: cornea
2. 10: This contractile diaphragm is formed by the anterior choroid, and is perforated by the pupil.
Answer: iris
3. 15: This tough, white layer of connective tissue encloses the eyeball, except for what is covered by the cornea.
Answer: sclera

3. Identify the architect, 30-20-10.

30: He become director of the Armour Institute School of Architecture in 1938, and planned its new campus.

20: In 1927, he was selected to prepare the plan for the Weissenhof exhibition in Stuttgart.

10: This led to his design of the German Pavilion for the 1929 International Exposition in Barcelona, his appointment as the last director of the Bauhaus, and the influence of the "less is more" vocabulary in architecture.

Answer: Ludwig Mies van der Rohe

4. Given a European ruler, name his parents for 5 points apiece.

1. King Richard I of England
2. King Henry III of France
3. Holy Roman Emperor Joseph II

Answer: Henry II, Eleanor of Aquitaine
Answer: Henry II, Catherine de Medici
Answer: Francis I, Maria Theresa

5. For 10 points each, identify the Titan from the description.

1. The mother of Zeus.
2. The father of Atlas and Prometheus, and ancestor of the human race.
3. A deity of the lower world who kept her power under the rule of Zeus.

Answer: Rhea
Answer: Iapetus
Answer: Hecate

6. Identify the river on which each of the following cities are found for 5 points each.

1. Florence
2. Timbuktu
3. Kiev
4. Nantes
5. Cologne
6. Bangkok

Answer: Arno
Answer: Niger
Answer: Dnieper
Answer: Loire
Answer: Rhine
Answer: Chao Phraya

7. Identify the Nobel Prize-winning chemists from description for 10 points apiece.

1. This New Zealand-born chemist earned his 1908 Nobel Prize for his theories in radioactive transformation of atoms three years before his discovery of the atomic nucleus.

Answer: Ernest Rutherford

2. This Swedish chemist won the 1903 Prize for his theory of electrolytic dissociation.

Answer: Svante Arrhenius

3. This American won a 1934 Nobel after isolating deuterium, which he would later apply in the atomic bomb project.

Answer: Harold Urey

8. Given a painting and year, give the "C"-level painter, for 10 points apiece.

1. The Hay Wain, 1821
2. Over Vitebsk, 1914
3. The Conversion of St. Paul, 1601

Answer: John Constable
Answer: Marc Chagall
Answer: Caravaggio

9. Identify the writer from works, 30-25-20 if you're cocky or behind, or 15-10-5 if you wish to play it safer.

30: "A Madonna of the Future," a short story

15: The Tragic Muse, an essay

25: The Ivory Tower, an unfinished novel

10: The Europeans, a novel

20: Washington Square, a novel

5: The Turn of the Screw, a novella

Answer: Henry James

10. For 10 points apiece, identify the anthropologists from writings.

1. Race and Democratic Society, The Mind of Primitive Man, Primitive Art
2. Culture and Commitment, Blackberry Winter, Growing Up in New Guinea
3. The Vision of the Past, The Phenomenon of Man, The Divine Milieu

Answer: Franz Boas

Answer: Margaret Mead

Answer: Pierre Teilhard de Chardin

11. Identify the musician, 30-20-10.

30: He has composed concert works such as Black, Brown and Beige, and scores for films such as Anatomy of a Murder.

20: He led a band at the Cotton Club in Harlem from 1927-32, and has had his music collected in the musical Sophisticated Ladies.

10: Among his best-known songs are "Satin Doll," "Mood Indigo," and "Take the 'A' Train."

Answer: Duke Ellington

12. Identify the war from Russian history from description, 5-10-15.

1. 5: This war to halt Russian westward expansion in the 1850's includes major battles at Balaclava and Sebastopol.

Answer: Crimean War

2. 10: This imperialist conflict of 1904-05 centered on, among other regions, Sakhalin Island and Port Arthur.

Answer: Russo-Japanese War

3. 15: This conflict which ran from 1700-21 succeeded in breaking the rising power of Sweden, with its king Charles XII meeting defeat at Poltava and dying in battle in 1718.

Answer: Great Northern War

13. Identify the Scandinavian authors from works, for 5 points apiece.

1. Miss Julie

Answer: August Strindberg

2. Kristin Lavransdatter

Answer: Sigrid Undset

3. Hunger

Answer: Knut Hamsun

4. The Master Builder

Answer: Henrik Ibsen

5. Barabbas

Answer: Par Lagerkvist

6. A Dream Play

Answer: August Strindberg

14. Name the mathematician, 30-20-10.

30: He introduced such notations as capital sigma for sums, lower case pi for the ratio of a circle's circumference to its diameter, and i for the square root of negative one.

20: He succeeded Daniel Bernoulli to the chair of mathematics at the St. Petersburg Academy of Sciences in 1733; though he left St. Petersburg in 1741, he would return 25 years later at the invitation of Catherine II.

10: Perhaps the most prolific mathematician of all time, this Swiss-born mathematician lent part of his name to the base of the natural log, and perfected theory on the motion of the moon.

Answer: Leonhard Euler

15. Identify the opera from the name of a musical selection for 15 points.

If a list of characters is necessary, you will receive 10 points. If you also need the composer, you will receive 5 points.

1. 15: "Voi che sapete"

10: Susanna, Cherubino, Count Almaviva

5: Wolfgang Amadeus Mozart

Answer: The Marriage of Figaro

2. 15: "Bella figlia dell'amore"

10: Gilda, Duke of Mantua, Maddalena

5: Giuseppe Verdi

Answer: Rigoletto

16. Identify the site of the battle from the Persian Wars from a description for 10 points apiece.

1. In 480 B.C., the Spartans lost a battle to protect this pass between the cliffs of Mt. Oeta and the Malic Gulf.

Answer: Thermopylae

2. Miltiades led the forces which expelled the Persian invaders at this plain in 490 B.C.

Answer: Marathon

3. A Greek force under the Spartan Pausanias defeated a remaining Persian military force in 479 B.C. at this site.

Answer: Plataea

17. Given the English translation of a constellation, give the common name of its brightest star, for 5 points apiece.

1. Bull

Answer: Aldebaran

2. Eagle

Answer: Altair

3. Swan

Answer: Deneb

4. Twins

Answer: Castor

5. Keel

Answer: Canopus

6. Charioteer

Answer: Capella

18. Identify the work of French literature from the plot, 10 points apiece.

1. This play uses as its plot the story of Orestes, with the title referring to a symbol for the acceptance of the consequences of one's actions. Written by Jean-Paul Sartre, it was first mounted during the Nazi occupation of Vichy France.

Answer: The Flies

2. This roman a clef by Simone de Beauvoir portrays a debate between Sartre and Albert Camus.

Answer: The Mandarins

3. A professor uses language to dominate his female student, and eventually murders her, in this absurdist play by Eugene Ionesco

Answer: The Lesson

19. Given a list of battles from the Civil War, place them in chronological order, for 5 points apiece. List: Antietam, Chancellorsville, Chickamauga, First Bull Run, Gettysburg, Shiloh

Answer: First Bull Run, Shiloh, Antietam, Chancellorsville, Gettysburg, Chickamauga

20. Answer these questions about semiconductors for 10 points apiece.

1. The most commonly used semiconducting elements are silicon and this gray-white metal with atomic number 32.

Answer: Germanium

2. This term refers to the adding of impurities to the semi-conducting material to enhance its conducting capability.

Answer: Doping

3. This simplest semiconductor device consists of N-type and P-type semiconductors brought together, and includes such varieties as the LED and thermistor.

Answer: Diode

21. Identify the parts of the kidney from description for 10 points each.

1. Consisting of a renal tubule and its blood vessel, this is the functional unit of the kidney.

Answer: nephron

2. This double-walled membrane surrounding the glomerulus of a vertebrate nephron takes its name from an English surgeon.

Answer: Bowman's capsule

3. Named for a German pathologist, this portion of the nephrons lies between the proximal and distal convoluted tubules, and its integral for resorption of water.

Answer: Loop of Henle

22. Given a list of events in American history, give the decade in which they occurred for 10 points each.

1. Nellie Tayloe Ross becomes the first woman governor; all Native Americans are made citizens by an act of Congress; the first liquid fuel rocket is launched.

Answer: 1920's

2. The first Kentucky Derby is held; eleven leaders of the Molly Maguires are hanged; Tom Sawyer is published.

Answer: 1870's

3. The Nautilus submarine is launched; Estes Kefauver leads an investigation of organized crime; the Federal-Aid Highway Act is signed.

Answer: 1950's

23. For 10 points each, identify the terms from Buddhism from the description.

1. This term refers to the law of Buddha, the basic doctrine of the Four Noble Truths.

Answer: dharma

2. This term from Zen Buddhism refers to enlightenment through meditation and koan practice.

Answer: satori

3. This term refers to one who refrains from entering nirvana in order to assist others in the quest for truth.

Answer: bodhisattva

24. Given a mountain range, give its highest mountain, for 5 points apiece.

1. The Alps

Answer: Mont Blanc

2. Sierra Nevada

Answer: Mount Whitney

3. The Andes

Answer: Aconcagua

4. Karakoram

Answer: K2 or Godwin Austen

5. The Caucasus

Answer: Mount El'brus

6. The Ellsworth Mountains

Answer: Vinson Massif

25. Identify the Pulitzer Prize-winner from a work for 10 points. 5 points will be received if a Pulitzer Prize-winning work is needed.

- | | | |
|-------------------------------------|--------------------------|--------------------------------|
| 1. 10: A Distant Mirror | 5: The Guns of August | Answer: Barbara <u>Tuchman</u> |
| 2. 10: Possessing the Secret of Joy | 5: The Color Purple | Answer: Alice <u>Walker</u> |
| 3. 10: The Ides of March | 5: The Skin of Our Teeth | Answer: Thornton <u>Wilder</u> |

26. Identify the playwright from works, 30-20-10.

- 30: You Never Can Tell, The Philanderer, The Man of Destiny
20: The Devil's Disciple, Back to Methuselah, Caesar and Cleopatra
10: Saint Joan, Major Barbara, Heartbreak House

Answer: George Bernard Shaw

27. For 10 points each, identify the Supreme Court case from description.

1. The exclusionary rule was a result of this 1961 case in which a Cleveland woman was arrested for possession of obscene material after an unwarranted search of her home.

Answer: Mapp v. Ohio

2. The right to privacy was established in this 1965 case involving a ban on the sale of contraceptives.

Answer: Griswold v. Connecticut

3. The right to counsel for felony defendants was guaranteed by this 1963 case involving a Florida man accused of breaking into a pool room.

Answer: Gideon v. Wainwright

28. Identify the Indian prime minister from description for 10 points each.

1. Her years in office were tainted by the state of emergency and virtual dictatorship she instated when accused of illegal election procedure. However, though she lost the 1977 election, she was re-elected two years later.

Answer: Indira Gandhi

2. His government was accused of corruption and he lost the 1989 election; two years later he was assassinated.

Answer: Rajiv Gandhi

3. This leader of the Janata Party defeated Indira Gandhi in 1977 and restored democracy, but his failure to deal with political problems led to his resignation.

Answer: Morarji Desai