

1999 Michigan MLK Memorial
Questions by Chicago A

Tossups

1. Assuming non-moving supply and demand, a flat tax "T" upon a good generates for the government revenue equal to the area of the box T times the quantity sold of that good. Since the demand line is not vertical, however, the area between the right side of the box and the demand line that previously was contained parts of the consumers' and producers' surplus is lost to them in addition to the amount of the tax. FTP, name this appropriately-named area representing surplus which the entire economy loses due to the imposition of a tax.

Answer: **Dead Weight Loss**

2. At the University of Kansas, this man an NCAA record as a freshman, but he had never won a single competition when he went to the Melbourne Olympics as a sophomore. After beating all other competitors by over 5 feet, he said "I'm not going to quit until I win 5 gold medals!" Even after a motorcycle accident, he managed to win three more before retiring from track and field in 1984. FTP, name this man, the "King of the Discus."

Answer: **Al Oerter**

3. Start with a line and cut out the middle third. Take each of the remaining thirds, and cut out the middle third. Take each of the remaining thirds, and cut out the middle third. Repeat to infinity. FTP, give the name of the infinite set you have generated, first described in the nineteenth century by a Swiss mathematician.

Answer: **Cantor set or Cantor's Dust**

4. Aldershot and Basingstoke are along the Downs in the north, and Andover is near the river Test in the west. Winchester is in the center, and along the English Channel in the south are England's largest ports of Portsmouth and Southampton. FTP, name this southern county of England, which lent its name to a New England colony.

Answer: **Hampshire** (do not prompt on England, and do NOT accept "New Hampshire.")

5. The American-born model of this painting was the wife of a wealthy Parisian banker. She had to be begged to pose and only consented when the artist made her a promise. When unveiled at the Salon of 1884 the artist was disagreeably surprised by the controversy over its eccentricity and eroticism. FTP, name this John Singer Sargent portrait, which the artist considered his masterpiece, and today hangs in the Metropolitan Museum of Art

Answer: **Madame X or Madame Pierre Guatreau**

6. Nuit St. Georges, Maytag Blue, Caerphilly, Coverdale, Brebis, Wensleydale, Leicester, Gruyere, Havarti, Brie, and Cheddar are all, FTP what type of food?

Answer: **Cheese**

7. In later versions, there was a wheel with the names of the stars; if it landed on any of the small stars, you'd be playing for 20 times the amount won in the Audience Match instead of 10 times. The wheel was instituted because contestants, given their choice, were picking Richard Dawson nearly 90% of the time, despite the fact that he left the show when it was introduced. Don't choose A or B, but FTP, this game show starring Gene Rayburn whose 1998 version is hosted by Michael Burger?

Answer: **Match Game** (Accept Match Game 73, 74, 75, 76, 77, 78, 79, or PM.)

8. In alkynes, this can be done stereospecifically using the Lindlar catalyst. It can be carried out by bubbling hydrogen gas over platinum or palladium, or by using a hydride ion donor such as lithium aluminum hydride. In aldoses, bromine can carry out this reaction by converting the aldehyde group to a primary alcohol group. In living systems, enzymes carrying out this reaction often use NADH or FADH₂ as coenzymes. FTP, name this reaction, the counterpart of oxidation.

Answer: **reduction**

9. Founded as a reaction to the orthodox Jewish religious systems that had become rigidly legalistic, this mass movement sought to address the spiritual yearnings of the common people. Rather than emphasize Talmudic scholarship, it made an appeal to the emotional. FTP, name this Jewish movement, whose name is Hebrew for "pious ones," which persists in small groups in the United States and Israel, which was expounded by the Ba'al Shem Tov.

Answer: **Chasidism** (Hah-seed-ism)

10. He is the only American citizen to receive the Owais prize, the Arab world's most prestigious award. His critical view of the Oslo accords has caused his works to be banned in the West Bank, despite most of them being of a non-political nature. For ten points, name this Palestinian-American professor of English and Comparative Literature at Columbia, who addresses the cultural conflict between the west and the east in works such as Culture and Imperialism and Orientalism.

Answer: **Edward Said** (sah-EED)

11. "On March 25th there took place, in Petersburg, an extraordinarily strange occurrence." On that day, the barber Ivan Yakovlevich found in his newly baked breakfast roll an object that he immediately recognized as belonging to Collegiate Assessor Kovalyov, an object he promptly drops in the River Neva. Kovalyov, for his part, sees it walking about town in the guise of a state councillor. For ten points, name this title object of a Nikolai Gogol story that on April 7th reattaches itself to Kovalyov's face.

Answer: **The Nose**

12. According to Malay tradition, the island was first visited by a Sumatran prince from the empire of Shrivijaya, who founded a city there. Sacked by the Majapahit Javanese in the 14th century, the port fell into obscurity for 500 years, until 1819 when Sir Stamford Raffles of the British East India Company landed, in hope to wedge open a gateway to the China seas, and made the island a free port. FTP, name this Asian city-state, whose name means lion city.

Answer: **Singapore**

13. In September of 9 AD, Publius Quintilius Varus, after being falsely informed a distant tribe was in revolt, led his soldiers here, where thousands of Germanic tribemen under Hermann waited in ambush. The ensuing battle lasted three days and concluded with Varus falling on his sword and the annihilation of three Roman legions. FTP, name this battle, which was followed by the loss of all Roman possessions east of the Rhine.

Answer: **Teutoberg (er) Forest**

14. Invented in 1915 by William Foster, participants stand at a series of eight stations spaced evenly along an arc anchored by the high and low houses. Two shots are taken from each of the stations at single targets followed by eight shots at four double targets from stations 1, 2, 6, and 7. A 25th shot is taken after the first miss, or from the station of the shooter's choice in the event of a perfect game. For ten points, identify this sport devised to offer more variation in angle and altitude than given in trapshooting.

Answer: **Skeet Shooting**

15. He is a direct descendant of King David's estranged wife, Uriah, from whom he eventually inherited the sling that killed Goliath. His great-grandfather freed William Shakespeare from prison by offering to become Queen Elizabeth's personal servant. His exploits are world-famous, and the Colossus of Rhodes himself has appeared to congratulate him on his successes. For ten points, name this man who defeated Tippoo Sahib in battle, built a bridge from Africa to England, and visited the moon on several occasions, the liar-hero of a series of stories by Rudolph Raspe.

Answer: **Baron Hieronymous Munchausen**

16. Three months before a presidential election, the prime minister of this country has resigned, citing his inability to overcome 30% unemployment, falling oil prices, and a seven year long violent opposition in the form of the Islamic Salvation Front. For ten points, name this North African nation which may see former Prime Minister Ahmed Ouyahia run against current president Liamine Zeroual.

Answer: **Algeria**

17. He and his brother had the easternmost and westernmost points in US possessions named for them and once, after a college basketball game, he pulled out his glass eye, handing it to a reporter that taunted his play — both details found in his 1988 book, "Too Funny to Be President." Politically, he was the first Democrat in Congress to openly oppose the Vietnam War and was a champion of bi-partisanship and environmentalism. For ten points, name this former representative from Arizona who died of Parkinson's disease on December 12, 1998.

Answer: **Morris K. Udall**

18. Ray Gun, Spacey Stacy, Gorgeous George, Bye Bye Bobby, Schizo Fran, Sumo Sid, and Double Heather were, FTP, amongst what group of youngsters, which also included Smelly Kelly, Disgustin' Justin, Acne Amy, and Bad Breath Seth?

Answer: **Garbage Pail Kids** (golden star if answerer identifies them all as 2nd series.)

19. Impelled by piety and a longing for adventure he left Lorraine, France in 1096 for the Crusade with his brothers Baldwin and Eustace. After the capture of Jerusalem and Raymond of Toulouse's refusal to be king, he assumed leadership under the title "Defender of the Holy Sepulchre." FTP, name this descendant of Charlemagne, who, despite his weakness as a ruler, was idolized after his death in 1100 as (quote) "the perfect Christian knight, the peerless leader of the whole Crusading epic."

Answer: **Godfrey of Bouillon**

20. The idea that this type of radiation must exist arose from Charles Barkla's studies of x-rays. This type of radiation, an energy sink, is necessary to allow for the fact that x-rays are formed when collisions with solid materials force speeding electrons decelerate rapidly, losing large amounts of energy. FTP, name this type of radiation, German for "deceleration radiation."

Answer: **Bremsstrahlung**

21. "Christ Healing the Blind," "Assumption of the Virgin," "Disrobing of Christ," "Adoration of the Shepards," "Miracle of St. Ildefonso," "Burial of the Count of Orgaz" "and "The View of Toledo." FTP, these are all works by what Greek born Mannerist painter.

Answer: **El Greco or Dominikos Theotokopoulos**

22. It is located in the foothills of the Serra do Mar, near its port city of Santos. Airports serving it include Viracopos, Cumbica, and Congonhas, and rivers running through its urban sprawl include the Pinheiros, Tamanduatei, and the Tiete. FTP, name this city on the Brazil's Great Escarpment, the most populous city in South America.

Answer: **Sao Paulo**

23. Upon his disappearance, his father, King Laomedon, was given compensation in the form either of a stud that fathered immortal horses or a golden grapevine, depending on the source. This man was subsequently immortalized by the Gods as the figure in the constellation Aquarius, and by Galileo as one of the moons of Jupiter. For ten points, identify this beautiful mortal abducted by Zeus to serve as cupbearer on Olympus.

Answer: **Ganymede**

24. In early June, Dr. Robert Ballard knew he was close to his goal when he noticed large piles of mud scattered on the ocean floor about 1300 miles west of Hawaii. Soon, his sonar equipment sensed an 809 foot-long object. A submersible returned images showing that it was standing upright, that its stainless steel surface was still shiny, and that the turrets were still pointed skyward. For ten points, name this American carrier lost when Japanese dive-bombers and a submarine sank it on June 7, 1942, at the Battle of Midway.

Answer: **U.S.S. Yorktown**

25. Due in its modern usage to Norbert Wiener, this prefix comes from the Greek for "to steer or govern." In recent years, it has seemed to find application primarily among the recently initiated press, who have adopted it as a prefix with "geek," "punk," "date," among many others. FAQTP, what is this common five-letter prefix, which seems poised to begin applying as a prefix to every noun in common usage?

Answer: **cyber**

Bonus

1. My Hertzprung up when I beheld a bright star in the sky. Answer these questions about the Hertzprung-Russell diagram, 5-10-15.

(5) This is the line defined on the diagram by the stable hydrogen-burning stars.

Answer: **main sequence**

(10) When a star reaches the end of the main sequence path, it becomes one of these stars.

Answer: **red giant**

(15) This is the path a protostar takes as it becomes a main sequence star.

Answer: **Hayashi track**

2. Sci-fi authors from novels, 10-5

(10) *Children of the Mind*

(5) *Ender's Game*

Answer: **Orson Scott Card**

(10) *Lucky Starr and the Space Pirates*

(5) *I, Robot*

Answer: **Isaac Asimov**

(10) *Protector*

(5) *Ringworld*

Answer: **Larry Niven**

3. How familiar are you with global consulting practices? Answer these questions, TPE

(10) This firm, formerly the world's biggest consultancy, recently split off from its accounting arm.

Answer: **Andersen Consulting** (do NOT accept "Arthur Andersen"; that is the accounting arm.)

(10) This firm, having recently completed a merger, now uses the slogan: "The biggest name in the consulting business is now the biggest name in the consulting business."

Answer: **PricewaterhouseCoopers**

(Accept: "Price Waterhouse Coopers & Lybrand," prompt on Price Waterhouse.)

(10) This firm is generally considered to be the world's most prestigious and influential management consultancy; some call it McFirm.

Answer: **McKinsey & Co.**

4. Name the author, 30-20-10:

(30) Early in his career, he worked as a typist for James Joyce, taking dictation for *Finnegans Wake*.

(20) His own writing career began with the publication of *Assumption* in 1929 and continued through the 1970s, with the productions *Breath* and *Not I*.

(10) A significant influence on the work of Pinter and Stoppard, he composed the trilogy *Molloy*, *Malone Dies*, and *The Unnamable*, and is best known for his association with Absurdist theater.

Answer: Samuel **Beckett**

5. For 10 points each, name each of these ancient Persian monarchs.

(10) This king of the Medes was a conqueror of Persia but was so tolerant to the Persians that called him "father of the country." In the Bible, he liberated the Jews from Babylon.

Answer: **Cyrus II or Cyrus the Great**

(10) One of the greatest kings of the Achaemenid dynasty, he was a great builder, and attempted to conquer Greece several times. His fleet was destroyed in 490 BC by a storm, and his army was beaten by 492 BC at Marathon.

Answer: **Darius I or Darius the Great**

(10) 10th king of the Sasanian Empire who brought the Sasanian power to its zenith, he withstood Roman strength by astute military strategy and diplomacy. Afraid of a fifth column at home, in case of war with Christian Constantine I, he forcibly converted thousands of Christians.

Answer: **Shapur II or Shapur the Great**

6. Name these language groups, TPE

(10) This group includes most major Indian tongues of the Northwest and Southwest, including Navajo.

Answer: **Athabascan**

(10) This group includes most plains and Prairie languages, including Blackfoot, Cheyenne, and Fox.

Answer: **Algonkian or Algonquian**

(10) This group's only remaining speakers are located on islands on either side of the Bering Sea.

Answer: **Aleutian**

7. Answer these questions about the development of enzymology, FTPE.

(10) Enzymes were first referred to by this name, which came from the fact that yeast was the most common system for their study.

Answer: **ferments**

(10) Who proved, in the 1890s, that enzymatic reactions could be carried on outside living systems?

Answer: Hans **Buchner**

(10) To what popular school of thought, espoused by Pasteur, did Buchner's discovery put an end?

Answer: **vitalism**

8. For 5, 10, and 15 points name each of these dragons or dragon types from world religion.

(10) The personification of salt waters, this Chaldean dragon was slain by Marduk.

Answer: **Tiamat**

(10) The Egyptian netherworld demon, Ra had to face him nightly on his nightly solar boat journey.

Answer: **Apepi**

(10) One of the offspring of Echidna, he guarded the golden apples of the Hesperides.

Answer: **Ladon**

9. 5-10-15, name these soccer stars:

- (5) This man, the top attacker for Inter Milan, was expected to lead Brazil to the 1998 World Cup, but instead played listlessly in the final.

Answer: **Ronaldo**

- (10) This man, the #1 attacker for the 1994 Italian World Cup team, was on the verge of retirement when he was signed by Inter to replace an ill Ronaldo. He has since become the team's leading scorer, though he no longer has a ponytail.

Answer: **Roberto Baggio**

- (15) This man, leader of the Argentine national team, is the leading striker on Fiorentina, and has led the Italian league in scoring each of the last 3 years.

Answer: **Gabriel Batistuta**

10. 30-20-10, name this European museum.

- (30) The galleries originated with a royal museum erected in 1808 by Napoleon I's brother, Louis Bonaparte. The first collection consisted of paintings that had not be sent to France from another national museum.

- (20) The main gallery building was designed by Cuypers and opened in 1885.

- (10) FTP, name this Amsterdam museum, whose name is Dutch for "state museum."

Answer: **Rijksmuseum** (pronounced like German Reich)

11. Identify the following cities in Washington State, FTPE.

- (10) Given an Indian name for Mount Rainier, this city is connected to the Olympic Peninsula by suspension bridge.

Answer: **Tacoma**

- (10) Originally named Steptoeville, its current name is an onomatopoeic Indian word for "small fast running rivers."

Answer: **Walla Walla**

- (10) Destroyed in an 1889 fire, this city's early industry was based on the Coeur d'Alene mineral field and the Grand Coulee Dam.

Answer: **Spokane**

12. For 10 points each, name each of these three personalities from the 30 Years War.

- (10) Commander of the Catholic League forces, this outstanding Bavarian general crushed Frederick V, at the Battle of White Mountain,

Answer: **Count von Tilly**

- (10) Capo of the Imperial armies of Ferdinand II, he forced the Peace of Pressburg on the Hungarian armies under Gabor Bethlen, and, with Tilly, conquered the Danish peninsula. He was assassinated in 1634.

Answer: **Count Albrecht von Wallenstein**

- (10) This man's machinations in Germany came to ruin as a result of his grant of subsidies to Gustav II Adolf, who was then engaged in Pomerania. The Swedes allied themselves with the Catholics, and thus this man was forced to ally French troops with the Protestants, even after he had hunted down the Huguenots.

Answer: **Armand-Jean du Plessis Cardinal Richelieu**

13. For every long time leader of an African nation, you name the nation. He does not have to be in office today. TPE.

(10) Charles Taylor

Answer: **Liberia**

(10) Robert Gabriel Mugabe

Answer: **Zimbabwe**

(10) Omar Bongo

Answer: **Gabon**

14. In traditional lawbooks, and common usage, India's people are divided 3000 jatis, or castes, are traditionally divided into four varnas, or main groups. For five points each, put the following list of the four varnas into order, from highest to lowest, one name in the list is for the Untouchables, you must figure out which one it is and not use it. Only list four.

(20) Vaishyas, Sudras, Harijans, Kshatriyas, and Brahmins.

Answer: **Brahmins, Kshatriyas, Vaishyas, Sudras**

(10) Untouchables today are known as Harijans, a name invented by Gandhi. For ten points, give the English meaning of this neologism.

Answer: **Children of God**

15. Given a singer who was at one time the lead singer of a group, name his first full-length solo album, TPE.

(10) Sting

Answer: ***Dream of the Blue Turtles***

(10) Paul Simon

Answer: ***Paul Simon***

(10) Phil Collins

Answer: ***Face Value***

16. Identify these not so humorous works of Kurt Vonnegut, Jr. given a plot, for ten points each.

(10) This novel is about an American spy in the propaganda department of Nazi Germany who is later captured by Mossad.

Answer: ***Mother Night***

(10) This novel tells the story of the least famous man to have been involved in the Watergate scandal.

Answer: ***Jailbird***

(10) This is Vonnegut's only play.

Answer: ***Happy Birthday, Wanda June***

17. Answer these questions about the Internet software wars for the stated number of points.

(10) What company's original name was Quantum Computer Services before its 1991 name change?

Answer: **America OnLine**

(10) What is the name of the company, acquired by AOL this June, that developed the ICQ messaging software?

Answer: **Mirabilis**

(5/5) Give the year in which Netscape went public and the number of years previously that AOL had gone public.

Answer: **August 1995, 3 years (March 1992–August 1995)**

18. For each example of classical music and the year of its debut, name the composer, TPE.

(10) *Barber of Seville*, 1815

Answer: **Gioacchino Rossini**

(10) *The Dream of Gerontius*, 1900

Answer: **Edward Elgar**

(10) *Einstein on the Beach*, 1979

Answer: **Philip Glass**

19. Five for one, 15 for 2, 20 for 3 or 30 for all 4: name the four players who have had their number retired by the Boston Red Sox.

Answer: **Carl Yastrzemski** (accept "Yaz")

Ted Williams

Joe Cronin

Bobby Doerr

(Host note: I can only assume resident Bostonian Mike Zarren wrote this fine question. Next, he will have players executing "Williams shifts.")

20. FFPE, name the three neighbors of each of the following African nations:

(5/5/5) Malawi

Answer: **Tanzania, Mozambique, Zambia**

(5/5/5) Togo

Answer: **Benin, Burkina Faso, Ghana**

21. Recent research has revealed that Kevin Bacon is not the best center of the film universe. He actually ranks only at number 669. Identify the following people who are better centers of the film industry for ten points each.

(10) Ranked at number one is this actor, who appeared twice in film as Benito Mussolini and in such films as *The Longest Day*, *The Loved One*, *The Amityville Horror*, and *Mars Attacks!*

Answer: **Rod Steiger**

(10) The actor ranked at number two is best known for appearing in roles opposite Peter Cushing in numerous horror and Sherlock Holmes films of the sixties and seventies and as the incidious Dr. Fu Manchu.

Answer: **Christopher Lee**

(10) The highest ranked woman is number 11. She starred in *Night of the Hunter*, *The Diary of Anne Frank*, *Lolita*, *The Poseidon Adventure*, and *Pete's Dragon*.

Answer: **Shelley Winters**

22. A Boeing 707 that had been awaiting a particular passenger left an English airbase in late December, attesting to the potential length of an impending court battle.

(10) Name the former world leader who was supposed to have flown home on that airplane.

Answer: **General Augusto Pinochet**

(10) For another ten points, name the Home Secretary that approved an extradition request by Spain for General Pinochet.

Answer: **Jack Straw**

(10) For a final ten points Pinochet's lawyers claim that Lord Justice Leonard Hoffmann who voted against Pinochet's claims to immunity is biased, as he is a fund-raiser for what nongovernmental organization?

Answer: **Amnesty International**

23. Identify these things associated with a particular national epic for ten points each.

(10) Legend has it that the title character of this book lived to be 300 years old, and found that wherever he went, people were preparing his grave. For ten points, name the Turkish sage.

Answer: **Dede Korkut** (accept Ata Korkut)

(10) In The Book of Dede Korkut, a hero slays the creature Goztepe in a story that was borrowed from The Odyssey through the Voyages of Sinbad. For ten points, what kind of monster is Goztepe?

Answer: **Cyclops**

(10) For a final ten points, The Book of Dede Korkut is about the members of what large tribe of Turks who historically included the Seljuks and Osmanli Turks?

Answer: **Oghuz or Ghuzz**

24. FTPAP, for each country name the last monarch excluding any pretenders.

(10) Scotland before the Act of Union

Answer: **James VI** (Do not accept James I. That was his name as the King of England)

(10) The Western Roman Empire

Answer: **Romulus Augustulus**

(10) Iran

Answer: **Mohammed Reza Pahlavi**