

2004 Truman State
Brainal Leakage
Packet 5

Tossups

1. (Maddog_AmHist) **From the Gaelic for "water of life," it traces its roots back to monasteries of the 11th century, but was not produced commercially until the 1600s, (*) and the British and the Canadians now have strict rules as to its production. The Canadian version is characteristically light of body, while the American version is darker and takes 2-3 years longer to cure than those produced in the British Isles. FTP, name this beverage, whose inferior versions can be made from potatoes, beets, or other assorted roots, and whose official scotch variety is cured with peat.**

Answer: _whiskey_

2. (jlive_phys) **The stress described by this effect for a sphere is repulsive. For an even-dimensional hypersphere, it is infinite, (*) and for two separated metal plates it is attractive. This effect arises for a boundary whenever a quantum field is confined to a finite volume of space. FTP, give the name of this effect involving the macroscopic manifestations of zero-point fluctuations in quantum fields.**

Answer: _Casimir_ Effect

3. (Maddog_alit) **Few men can say that they've had their noses bloodied by Archie Moore, forced Willie Mays to pop up, lost to Pancho Gonzalez in tennis and Jack Nicklaus in golf, gained negative 30 yards as the quarterback in a pro football scrimmage, and been the spokesman for Intellivision's Major League Baseball. Yet this gentleman can not only make these claims, but also tell you that he was a failed aerialist in the circus, (*) a 2nd place winner on Amateur Night at the Apollo and a percussionist in the New York Philharmonic. All this while giving authors such as Philip Roth and Jack Kerouac their first big break. FTP, identify this longtime editor of *The Paris Review* who passed away in 2003.**

Answer: George _Plimpton_

4. (Maddog_currev) **Originally offered ten dollars for his website domain name, he made a counteroffer, claiming his business was worth 10,000. The day his case made national news, 250,000 people (*) visited his site to pledge support, flooding his webhost. Now, visitors to the disputed site can donate to his defense fund using PayPal. FTP, name this 17-year-old web designer from Victoria, British Columbia recently in the news for his stand against an American software giant.**

Answer: _Mike Rowe_

[Note: His website was Mikerowesoft.com]

5. (piguy_chem) **For a 5 molar solution of sulfuric acid, the value is 10. For a 4 molar solution of sodium hydroxide, the value is 4. (*) Similar to molarity, this ratio relates the amount of solute to the total volume of solution. However, in addition to the number of moles of solute present, this relationship depends on the composition of the solute, specifically the amount of substance that can donate or accept one electron. FTP, name this ratio that is defined as the number of equivalents per liter of solution.**

Answer: _normality_ (accept normals or equivalents before power point)

6. (ray_trash) **Most people spend their New Year's Eve either partying or being drunk, but players of this game probably spent it around the GameCube. They celebrate the New Year with the likes of Rover, Tom Nook, or the town mayor, Tortimer. If things go badly, hard-core players of this game know they can't simply restart their game and not save without a stern visit from (*) the mole, Mr. Resetti. FTP, name this addicting game where the main characters are ducks, squirrels, raccoons, koala bears, and of course, humans all living together in a community where no one locks their doors.**

Answer: _Animal Crossing_

7. (jlive_math) **A number series has this property if for all x and for all y in the series, there exists a natural number n such that zero is less than x is less than y only if y is less than n times x. (*) The real numbers have this property, which is equivalent to saying that the natural numbers are not bounded above in the real numbers. FTP, identify this number theoretic property named for a certain mathematician of Syracuse.**

Answer: _Archimedean_

8. (Maddog_blit) A loose historical account of an actual event, its exact descriptions of London and 18th century epidemiology make it appear strictly factual. Narrated by a man known only as H.F., (*) the sharp criticism of the 1721 Quarantine Act in this work, including its vehement argument against quarantining entire towns, helped lead to the act's drastic alteration in 1722. FTP, name this work of Daniel Defoe chronicling an outbreak of disease in England.
Answer: A Journal of the Plague Year

9. (laura_flit) The hero of this comic series lives in a fictional village in northwestern Gaul, the only part of the country not yet conquered (*) by Julius Caesar. The inhabitants of the village gain superhuman strength from drinking a magic potion prepared by the druid Getafix. Many books in the series have as their main plot the attempt by the Roman army to occupy the village to prevent the druid from making the potion, or the attempt to get some of it for their own use. FTP, what is this comic series, possibly the most popular French comic in the world, created by René Goscinny?
Answer: Asterix

10. (brian_religion) The rites of this ritual, which are of Abrahamic origin, include going around the Ka'bah seven times and going seven times between the hills of (*) Safa and Marwa. Considered one of the Five Pillars of Islam, over two million people flock to Saudi Arabia every year in the 12th month of the Islamic year, or in some cases, Ramadan, for this event. FTP, what is the Arabic name for the pilgrimage to Mecca, one that all Muslims of means are required to perform, but that less than ten percent are probably actually able to do?
Answer: hajj

11. (piguy_bio) This scientist first identified the bacterium that causes anthrax, (*) also deeply researching malaria, typhoid fever, and tuberculosis, the last of which won him the Nobel Prize for physiology and medicine in 1905. With the help of Angelina Hesse, this man also found a way to grow bacteria in pure cultures by using agar. FTP, name this scientist whose outstanding achievement was developing four postulates that provided scientists with a method of establishing the germ theory of disease.
Answer: Robert Koch

12. (tallpaul_bhlist) This famous stallion was sent to France from Tunisia as tribute to the king. In 1729, he was brought to England by Edward Coke, and in 1733, became the possession of the (*) 2nd Earl of Godolphin. He was taken to the Earl's stud farm near the racing town of Newmarket. He was an ancestor of several of the faster English racers of the period, such as Lath and Regulus, and was usually accompanied by the cat Grimalkin. FTP, name this stallion that is considered one of the three foundation sires of the Thoroughbred horse breed and is the subject of Marguerite Henry's *King of the Wind*.
Answer: Godolphin Arabian (accept Godolphin Barb)

13. (Maddog_sociol) In his writings, he argued that the empirical study of historical processes reveals the three stages that govern human development: the theological, the metaphysical, and the (*) scientific. In *The System of Positive Polity*, he proposed that the religion of humanity would support socially beneficial behavior. He felt that the adoption of the scientific attitude was the key to the reconstruction of social order. FTP, identify this French philosopher, author of the six volume *Course of Positive Philosophy*, also known for coining the term sociology.
Answer: Auguste Comte

14. (greg_ceurhist) This group of people has an oddly large proportion of type O blood and they have a comparatively small chance of being type B or type AB. Recent genetic studies suggest that they may be most closely related to the Berber people of North Africa. (*) Though no precise date of their arrival is known, they are thought to be the oldest ethnic group in Europe, as their language, Euskara, is unrelated to any Indo-European languages. FTP, name this ethnic group of Northern Spain and Southern France whose members include St. Francis Xavier.
Answer: Basque

15. (brian_alit) The fact that he was born to a farm family near Hudson, Michigan would serve as the springboard for the poems he would become known for, such as "Rifts in the Cloud." (*) While he did spend some time living in Chicago and New York, living experiences that would influence his final poetry anthology *City Ballads*, most of his work reflects the culture and liberal political sentiments of his native Michigan in the post-Civil War years. FTP, name this poet and author of *Farm Ballads*, *Farm Legends*, and *Farm Festivals*.
Answer: Will Carleton

16. (jlive_philo) **Aristotle's third man argument attacks the Platonic theory of forms by suggesting that one of these arises in the theory.** (*) Russell suggested that one shows up in the pragmatic theory of truth, and the postulation of God as first-cause is usually motivated by a desire to avoid one. FTP, identify the fallacy that arises when the solution of some problem is itself in need of exactly the same sort of solution.

Answer: _infinite regress_ (Accept vicious regress)

17. (piguy_sports) **This outfielder stole 53 bases in 1992. He also hit 50 home runs (*) in 1996 in one of the greatest "fluke" seasons ever enjoyed by a player. Nevertheless, his amazing 1996 season earned him a distinction in the baseball record books. He is the only player ever to have a 50-home-run season and a 50-stolen-base season in a single career.** FTP, name this former Baltimore Orioles outfielder, better known for his very evident sideburns.

Answer: Brady _Anderson_

18. (Maddog_asianlit) **Illustrations to accompany this work have been done by numerous artists, including Edmund Dulac and Elihu Vedder. Composed of numerous four-lined epigrammatic (*) verses, its first English translation was published in 1859 by Edward Fitzgerald. Written in the 12th century, its author was also an astronomer, mathematician, and teacher.** FTP, name this collection of poems by the Persian Omar Khayyam.

Answer: The _Rubaiyat_

19. (Maddog_Art) **This artist hated the sight of nature and held its irregularities largely responsible for humanity's problems. A trip to Paris in 1912 introduced him to analytic cubism (*) and put him on the road to radical abstraction. Later in his career, he moved from radical landscapes and architecture to the harmonious geometric art for which he is best known.** FTP, name this Dutch artist, painter of *Composition With Yellow, Red and Blue*, who was the leading artist of De Stijl.

Answer: Piet _Mondrian_

20. (greg_ceurhist) **Sometimes referred to as the "long-haired kings," they wore this long hair as a symbol of their status. (*) Though they began as warrior kings, they eventually relinquished most of their political power to the mayors of the palace. No longer having the support of the nobility, the last of them was deposed in 751 by Pippin III.** FTP, name this dynasty of Frankish kings that preceded the Carolingians.

Answer: _Merovingians_

21. (piguy_bio) **Causing an illness similar to the Marburg virus, the first known outbreaks of this filovirus occurred in 1976 (*) near a river for which it is named in Zaire and western Sudan. The different strains of this virus have different mortality rates, but all people infected with this virus develop symptoms of hemorrhagic fever, respiratory and kidney problems, abdominal pain, sore throat, and severe bleeding.** FTP, name this virus that, as of mid-1998, had four known types—Tai, Reston, Zaire, and Sudan.

Answer: _Ebola_ virus (accept Ebola-Zaire and Ebola-Sudan before the second sentence begins)

22. (jgaunt_mischist) **Named after an arm of the Atlantic Ocean, it was born in 1967 and ceased to exist three years later. (*) It was mainly populated from a mass migration of members of the Igbo tribe back to their native region. At the outset of its existence it comprised, roughly, the East-Central, South-Eastern, and Rivers states of the Federation of Nigeria.** FTP, name this secessionist state of Western Africa that officially died on January 15, 1970.

Answer: Republic of _Biafra_

23. (kyle_misclit) **After graduating from the University of Cape Town in 1961 with degrees in literature and mathematics, he left for England to become a computer programmer. Earning his doctorate in linguistics from the University of Texas in 1969, he returned to South Africa (*) to begin his writing career. His novels, including *Waiting for the Barbarians* and *The Life and Times of Michael K*, allegorically questioned his government's apartheid policy.** FTP, name this author, the 2003 recipient of the Nobel Prize for Literature.

Answer: John Michael _Coetzee_

Bonii 5

1. (greg_polisci) How well do you know your Israeli political parties? Given a short clue identify the party in question FTPE.

10—This moderate conservative party was founded in 1973 and is the party of current Prime Minister Ariel Sharon.

Answer: Likud

10—This moderate socialist party is the main rival of Likud and is currently led by Shimon Perez.

Answer: Labour (accept ILP, HaAvoda, or Avoda)

10—This orthodox Jewish party led by Eli Yishai is resistant to secularization of the Israeli state and has formed coalitions in the past with both Likud and Labour.

Answer: Shas

2. (piguy_bio) FTPE, name the following specialized root types given their descriptions.

10—These roots are adventitious roots that arise from the node of the stem. They develop from branches or a vertical stem and grow downward into the soil to help support the plant in an upright position.

Answer: prop roots

10—These roots are used by parasitic epiphytes such as mistletoe. They are modified roots that penetrate the host plant tissues and absorb water.

Answer: haustoria (accept haustorium)

10—This type of root is common in swampy or tidal environments where the soil is flooded or waterlogged. The roots often grow upward until they are above the high-tide level so that they can get oxygen for the plant.

Answer: pneumatophores

3. (greg_ceurhist) Quizbowl is like a prison without walls...well, maybe not, but it is a place where you will get ten points per answer if, when given a notable figure and the dates of his or her imprisonment, you can provide the name of the prison in which he or she was held.

10—The Marquis de Sade, 1784-1789.

Answer: The Bastille

10—Adolf Hitler, April 1924-December 1924.

Answer: Landsberg prison (accept Landsberg fortress)

10—Nelson Mandela, 1964-1982.

Answer: Robben Island

4. (jgaunt_asianhist) Recently, a great filmmaker, John Frankenheimer, passed on. One of his last projects was a Robert De Niro film titled *Ronin*. For the stated number of points, answer the following about the story of the Forty-Seven Ronin.

5—During what shogunate does the story of the Forty-Seven Ronin take place?

Answer: Tokugawa shogunate (accept Edo bakufu)

10—Name the leader of the Forty-Seven Ronin who led the attack on Edo.

Answer: Oishi Kuranosuke

10—The Ronin were followers of this lord whose life, for all intents and purposes, ended when he attacked the powerful official Kira within the boundaries of Edo castle.

Answer: _Asano_ Takumi-noh-Kami Naganori

5—After defeating Kira at his mansion, the Forty-Seven Ronin each committed what act of ritualistic suicide?

Answer: _seppuku_ (accept hara-kiri)

5. (tallpaul_bhst) For the stated number of points, identify the following pieces of English legal tradition limiting royal powers and authority.

15—This 1628 document asserted the powers of Parliament and protested certain actions of Charles I, particularly forced loans.

Answer: _Petition of Right_

10—This 1689 document granted William and Mary the crown upon their acceptance of the document. It stated the limitations of the crown and the rights of the English nation.

Answer: _Bill of Rights_ (do not accept Claim of Rights)

5—This document was signed by King John in Runnymede in 1215.

Answer: _Magna Carta_ (accept Great Charter)

6. (maddog_geog) Identify these geographical locations associated with popular music for the stated number of points.

5—Although born in New Jersey, Bruce Springsteen named one of his seminal albums after this state, home of John G. Neihardt.

Answer: _Nebraska_

5—When he's not telling us to "Move bitch, get out the way!" Ludacris corroborated with Jermaine Dupri to welcome us to this city, where the "playas play" and the gold club serviced NBA players.

Answer: _Atlanta_

5—It was on this small island that Farrokh Bualsara, better known as Freddie Mercury was born in 1946. In addition, Tenacious D claims that they won't cook your favorite dish, but they will order it from here.

Answer: _Zanzibar_

5—It was this city in Kansas that served as the home for Glen Campbell's electric company employee who "is still on the line."

Answer: _Wichita_

10—The 80s one hit wonder group A-Ha, known for its masterwork "Take on Me," hailed from this country, the winner of the 1995 FIFA Women's World Cup.

Answer: _Norway_

7. (tim_cs) Answer the following questions concerning graphics, FTPE.

10—Give the collective term for a set of available colors.

Answer: _palette_

10—A process known as grayscaling is used to convert a black-and-white type of this image into computer graphics.

Answer: _continuous tone_

10—This vector-graphics animation technology was born when Macromedia purchased FutureWave in December 1996.

Answer: _Flash_

8. (piguy_chem) Given 4 chemicals, specify which is the strongest acid or the strongest base, FTPE.

10—Which of these is the strongest acid: methylamine, phenol, ammonium ion, hydronium ion.

Answer: _hydronium ion_

10—Which of these is the strongest base: water, acetate ion, amide ion, ammonia.

Answer: _amide ion_

10—Which of these is the strongest acid: acetic acid, perchloric acid, carbonic acid, sulfuric acid.

Answer: _perchloric acid_

9. (katypeters_music) Not all jazz classics started out as jazz. Now, answer the following questions for the stated number of points.

5—This composer did dabble in jazz styles, but it was his Broadway work that got adopted by jazz artists, with such standards as *Someone to Watch over Me*, *Summertime*, and *The Folks Who Live on the Hill*.

Answer: George Gershwin

10—This children's song was reworked by Ella Fitzgerald and propelled her to stardom.

Answer: "A Tisket, A Tasket"

15—Rodgers and Hammerstein probably never thought of using a soprano saxophone for this song, but John Coltrane did so nonetheless.

Answer: "My Favorite Things"

10. (laura_psych) Name the phobia from descriptions. You will receive 5 points for one correct, 10 for two, 20 for three, or 30 points for all four correct.

A—Fear of bullets.

Answer: _ballistophobia_

B—Fear of skins or furs of animals.

Answer: _doraphobia_

C—Fear of clowns.

Answer: _coulrophobia_

D—Fear of kissing.

Answer: _philemaphobia_ (accept philematophobia)

11. (brian_religion) Name these children of Adam and Eve as described in Genesis 3-4 FTPE.

10—God considered him righteous because of his worshipful sacrifices, but he was murdered out of jealousy by his brother.

Answer: _Abel_

10—The first murderer; after he killed his brother, he was given a mark and was sent to live in the land of Nod.

Answer: _Cain_

10—This third son of Adam and Eve was chosen by God to carry on the Messianic line.

Answer: _Seth_

12. (kyle_misclit) For fifteen points each, identify the following Nobel Laureates by the year they won the prize for literature. If you need a listing of their works, you will only receive five points.

15—1970.

5—*The Gulag Archipelago* and *One Day in the Life of Ivan Denisovich*.

Answer: Alexander _Solzhenitsyn_

15—1934.

5—*Six Characters in Search of an Author* and *Right You Are (If You Think You Are)*.

Answer: Luigi _Pirandello_

13. (jgaunt_mischist) FTPE, answer the following related questions.

10—This country was one of three countries that emerged from the collapse of Gran Colombia in 1830, with the others being Colombia and Venezuela.

Answer: _Ecuador_

10—This man was a commander under Bolivar aiding in the War of Independence, led the secession of Ecuador from the Colombian Union, and became the first president of Ecuador.

Answer: Juan Jose _Flores_

10—Flores used this method of forced departure to rid himself of his opponents in Ecuador's government.

Answer: _deportation_ (accept clear-knowledge equivalents)

14. (kyle_flit) FTPE, given a nom de plume, give the real name of the following French writers. First and last names are required for several of the questions; you will be notified when this is the case.

10—Sully Prudhomme. First and last name required.

Answer: _René (François Armand) Prudhomme_

10—Molière. Only last name required.

Answer: _Jean-Baptiste Poquelin_

10—Collette. First and last name required.

Answer: _Sidonie (Gabrielle) Collette_

15. (jgaunt_amhist) Let's visit the magical state of Indiana with a few questions about the epic battle between Tecumseh and Harrison, FTPE.

10—Of which Indian tribe was Tecumseh chief?

Answer: _Shawnee_

10—This brother of Tecumseh helped rally the Indians to fight Harrison's men at Tippecanoe.

Answer: _Tenskwatana_ (accept "The Prophet")

10—This Indian settlement on the Wabash River was the ultimate objective of Harrison's campaign to rid Indiana of the Shawnee.

Answer: _Prophetstown_

16. (jlive_blit) Identify these Keats poems from synopses for the stated number of points.

5—The poet is sad and thinking about death, but the immortal bird he hears was surely not born for death but has been heard by emperors and clowns in ancient days. The word 'forlorn' brings him back to himself and thoughts of death, but maybe it's all a dream.

Answer: _"Ode to a Nightingale"_

5—Poor, poor man, you go and get yourself seduced by a woman who loves you intensely, briefly, and altogether untruthfully, and then leaves you in such a swoon that the birds won't sing.

Answer: _"La Belle Dame Sans Merci"_

10—Do we really have to write in iambic pentawhatsit? What if the muse doesn't want to be stuck in one of our little English boxes?

Answer: _"On the Sonnet"_

10—So Keats is weak and mortal, again. Godlike hardship informs him of his death as a sick eagle, and his heart ends up in an indescribable feud—probably because it rhymes with rude and magnitude. Anyway, his brain ends up with neat images of Grecian grandeur but it's all been wasted by the passing of time.

Answer: _"On Seeing the Elgin Marbles"_

17. (jlive_blit) Answer the following related questions, FTPE.

10—Identify this religiously symbolic play in which Harry Heegan is a Dublin soccer player who helps his team win the title object three years in a row, but is unfortunately, crippled in the first World War.

Answer: *The Silver Tassie*_

10—Who wrote *The Silver Tassie*?

Answer: Sean _O'Casey_

10—*The Silver Tassie* had interesting critical reception. For five points each, first, identify the author who refused to produce *The Silver Tassie* at the Abbey, and second, identify the playwright who said of it, "a new drama rising from unplumbed depths to sweep the nice little bourgeois efforts of myself and my contemporaries into the dustbin."

Answer: W.B. _Yeats_ and George Bernhard _Shaw_ [do not accept alternate order]

18. (jgaunt_alit) FTPE, identify the Tennessee Williams play given a list of characters.

10—Laura Wingfield, Tom Wingfield.

Answer: *The Glass Menagerie*_

10—Reverend Shannon, Hank Prosner.

Answer: *The Night of the Iguana*_

10—Big Mama, Gooper, Reverend Tooker.

Answer: *Cat on a Hot Tin Roof*_

19. (greg_ceurhist) Given a short description of the results, name the treaty FTPE.

10—This treaty ended the war between France and the Quadruple Alliance in 1678 and gave France control of the Frache Compte.

Answer: The Treaty of _Nijmegen_

10—This 843 treaty divided the Frankish empire between the three sons of Louis The Pious.

Answer: The Treaty of _Verdun_

10—This 1992 treaty established the Euro and called for a common security policy for European Union nations.

Answer: The Treaty of Maastricht

20. (jlive_phys) Answer the following questions that might appear in a course on mathematical physics for fifteen points each.

15— $P_0(x)$ is equal to one, $P_1(x)$ is equal to x , $P_2(x)$ is one half of the quantity $3x^2 - 1$, and $P_3(x)$ is one half of the quantity $5x^3 - 3x$. These are the first four members of what class of polynomial?

Answer: Legendre polynomials

15—The general term $P_\ell(x)$ for the Legendre polynomial is given by this formula. Give the name of the formula, not the equation.

Answer: Rodrigues formula

21. (jlive_math) Identify these terms from existential graph theory FTPE.

10—This is least enclosed area upon which the graphs may be scribed according to the rules of transformation of Peirce's three general systems of graphs.

Answer: sheet of assertion

10—This is a thinly drawn self-returning line that severs its area from the area of the sheet of assertion.

Answer: Cut

10—This is any impossible state of the universe. A single cut enclosing a blank area represents it.

Answer: pseudograph

22. (tim_cs) Given the following information, identify the company, FTPE.

10—This company has produced products such as: Delphi, InterBase, IntraBuilder, and Paradox.

Answer: Borland International

10—This company recently merged with Netscape to form a new company, Novonyx. Netware was this company's best-selling product.

Answer: Novell

10—This company's client/server products are stamped with the PowerSoft brand, but their database management systems are branded with this name. This company went through a merger in 1995.

Answer: Sybase

23. (piguy_sports) New Era produces their 59/50 model caps for every Major League Baseball team, with their sized caps serving as the official caps of Major League Baseball.

10—Name the former Cleveland, Seattle, Chicago White Sox, and San Diego infielder who wore the smallest cap size that New Era has ever produced: $6 \frac{5}{8}$.

Answer: Joey Cora

10, 10—Two different baseball men, one a manager and one a player, wear the largest cap size, 8, that New Era has ever produced. The player is a University of Delaware graduate and made his debut with the Texas Rangers in April 2002, while the manager is a former catcher who began serving as the manager of the San Diego Padres in 1995. For 10 points apiece, name these two baseball men.

Answer: Kevin Mench, Bruce Bochy