TOSSUPS - ROUND TWELVE

DENNIS HASKINS OPEN MARCH 2005 (UTC/CWRU)

Questions almost completely by Georgia Tech's Stephen Webb with a little help from the usual suspects

1. While a student at Magdalen College, Oxford, in 1878, this author won the Newdigate Prize for his poem "Ravenna." He later published two collections of fairy tales, *The Happy Prince and Other Tales* and *The House of Pomegranates*, but it was for plays like *A Woman of No Importance* that his fame began to grow. Released from prison after being accused of homosexual practices, he went to Paris under the name Sebastian Melmoth, with *The Ballad of Reading Gaol* and *De Profundis* being the fruits of his incarceration. FTP name this Irish author of *Lady Windermere's Fan* and *The Importance of Being Earnest*.

Answer:

Oscar Fingal O'Flahertie Wills Wilde

2. In its Plano Piloto, or master plan, this city was meant to have three administrative regions: Lago Sul, Lago Norte, and a namesake region. The Piloto Plano was developed by Lucio Costa, and originally it was to have no more than 500,000 residents, though now with satellite towns it has a population over 2 million. Its cost overruns in the early 1960s were in part responsible for the military coup that toppled the Jango Administration, though it had been begun by the previous president, Juscelino Kubitschek. With buildings designed by Oscar Niemeyer, FTP name this planned city, the capital of Brazil.

Answer:

Brasilia

3. The Prussian forces were commanded by Gebhard von Blücher, whose forces suffered 8,000 casualties, while the French lost some 25,000 men of the 73,000 committed to battle. Taking place on June 18,1815, it the end of the Hundred Days occurred when, FTP what battle saw the Duke of Wellington defeat Napoleon and order him exiled to Saint Helena until his death?

Answer:

Battle of Waterloo

4. A series of numbers also called the Euler numbers or zig numbers. A line joining two points on a curve: as one of the points is brought toward the other, the line tends to a tangent line. A trigonometric function whose square is the derivative of the tangent function. In a right triangle, the mnemonic hypotenuse over adjacent applies to, FTP, what function defined as one over cosine?

Answer:

secant

5. In animal cells it is most typically produced by oxidative phosphorylation in the mitochondria, where glucose is broken down into pyruvate and cytosol, with one glucose molecule sufficient to produce two of these molecules. FTP name this nucleotide whose primary purpose is to store and transport energy within a cell.

Answer:

adenosine triphosphate or ATP

6. The events that precipitated this joint resolution of Congress involved the USS Maddox, which Robert MacNamara claimed before Congress was the victim of an unprovoked attack, denying that it was aiding the South Vietnamese. Replaced by the War Powers Resolution of 1973, FTP name this resolution which gave Lyndon Johnson the power to escalate US involvement in Vietnam.

Answer:

Gulf of Tonkin Resolution

7. His *The Old Maid and the Thief* was the first radio opera, being contracted after the success of his *Amelia*. Penning the libretti for Samuel Barber's *A Hand of Bridge* and *Vanessa*, he won his first Pulitzer Prize in music in 1950 for *The Consul*. FTP name this composer whose *Amahl and the Night Visitors* was the first opera composed for television.

Answer:

Gian-Carlo Menotti

8. For three dimensions it is represented by a three by three matrix whose eigenvectors indicate the principal axes of a body. In one dimension, it is calculated by summing up the masses times the distance of the masses from the origin. FTP name this physical quantity, the analog of mass in rotating bodies.

Answer:

moment of inertia

9. His influential works *The Film Form* and *The Film Sense* are influential books that explain this director's theories of montage. FTP name this Soviet director who was chosen to direct *October: Ten Days that Shook the World* after the worldwide success of his *The Battleship Potemkin*.

Answer:

Sergei Eisenstein

10. Raising Demons and Life among the Savages are autobiographical and comical descriptions of life with her husband, Stanley Edgar Hyman, in Vermont. In contrast, many of her stories and novels, such as Hangasman and We Have Always Lived in the Castle, are psychological horror, as is her most famous work. FTP name this author of The Lottery.

Answer:

Shirley Jackson

11. It was the focus of the Hay-Herran treaty, which was signed by the two nations involved, but the Colombian Senate failed to ratify it, resulting in US support of a South American revolt. The Hay-Banau-Varilla treaty then cleared the way for its construction, which was completed on October 10, 1913. FTP name this seaway connecting two oceans, which the US took up after the failure of Ferdinand de Lesseps.

Answer:

Panama Canal

12. His iron oxide hydrate as a precipitating agent is still the best known treatment for arsenic poisoning, and it was this work that almost killed him, as he suffered arsenic poisoning and lost an eye in an explosion. FTP name this German chemist, whose carbon electrode replaced platinum in Grove's battery and who perfected Faraday's invention of a namesake burner.

Answer:

Robert Wilhelm Bunsen

13. In their early days, they called themselves Xero (spelled with an "X"), and were frequent faces at the Whisky and other L.A. nightspots. Old-school hip-hop, classic rock, and electronic vibes were the initial factors behind the building of the alternative metal quintet from Southern California. They changed their name to Hybrid Theory, added some more members, but didn't decide on their current name until after they were signed to Warner Bros. FTP, name this Chester Bennington-fronted band with hits like "Crawling" and "Numb."

Answer:

Linkin Park

14. Upon his return from a pilgrimage to Jerusalem, and under the influence of a priest named Father Konstantinovskii, he renounced literature and burned the manuscript for the second part of his 1842 novel *Dead Souls*. While teaching history at Saint Petersburg University, he penned the shorter works *Diary of a Madman*, *The Overcoat*, and *The Nose*. FTP name this Russian author.

Answer:

Nikolai Vasilevich Gogol

15. Along with Raquel Welch, he is the only person to have to have a Texas Hold'em hand named for him, the ten and the two in the pocket, with which he won the World Series of Poker two years in a row. A total of nine World Series of Poker bracelets have come his way, and he was the first man to win a \$1 million tournament. However, his biggest influence arguably came in a work with T.J. Cloutier, Tom McEvoy and others. FTP name this author and main editor of Super/System, the Bible of professional poker.

Answer:

Doyle "Texas Dolly" Brunson; accept just Texas Dolly 'cause we're nice.

16. A phenomenological equation for this state was written down in 1950 by Lev Landau, who based it upon his theory of second order phase transitions. First discovered in 1911 by Kamerlingh Onnes, in 1986 it was discovered to occur at around 35K in LBCO by Bednorz and Müller. FTP name this physical state marked by the transport of electrons without loss of energy.

Answer:

superconductivity

17. In 1709 he failed to obtain the Prix de Rome, but in 1712 he tried again and was considered so good that he received full membership to the Academy. A lover of the commedia dell'arte, he executed a painting of *Pierrot*, while his last masterpiece is the *Shop-Sign of Gersaint*. FTP name this Flemish-born French painter of the Rococo style whose most famous work is *Embarkation to the Island of Cythera*.

Answer:

Jean-Antoine Watteau

18. William Butler Yeats wrote the introduction to his *Gitanjali*, and though his influence in the West has steadily declined, he established the "world university" Sanitiniketan, one hundred miles from Calcutta. FTP name this Indian author of *One Hundred Poems of Kabir* and *The Crescent Moon*, recipient of the 1913 Nobel Prize in Literature.

Answer:

Rabindranath Tagore

19. In the later part of his life he took a wife, Euippe, who bore two children, Celeris and Melanippe, who were the origins of the pterippi. Sprung for the blood of Medusa, his name comes from the Greek for spring, as he was responsible for creating the Hippocrene at Mount Helicon. FTP name this mythical animal, on whom Bellerophon rode in his battle with the Chimera.

Answer:

Pegasus

20. He was allegedly the last casualty at the Battle of Shiloh, but survived his wounds to lead a brigade of cavalry. Entering the military desiring only to be a private, because he had raised a regiment of Tennessee volunteer soldiers, he was made a colonel, and distinguished himself with cavalry tactics that were emulated by Rommel with the Afrika Korps. FTP name this Confederate general, described by Lee as the best soldier he ever commanded, who went on to become the first leader of the Ku Klux Klan.

Answer:

Nathan Bedford Forrest

21. This author's *Fasti* is a poetical calendar of the Roman year, though only six months were completed. His *Heroides* are a series of verse letters written from the points of view of mythological women to their absent lovers. His *Tristia* and *Epistulae ex Ponto* were written in order to curry favor with Augustus to recall him to Rome from exile on the Black Sea, though he never made it back. Author of *Ars Amatoria*, or *Art of Love*, FTP name this Roman who also compiled myths of shape-change in *Metamorphoses*.

Answer:

Ovid

22. His interpretation of Aristotle's works held that religion and philosophy need not be reconciled, as they were not in conflict, a position that likely put this lawyer and physician from Cordoba on the hot seat with the Caliphs. FTP name this Spanish Islamic philosopher of the Middle Ages whose commentaries on Aristotle include *Incoherence of the Incoherence* and *On the Harmony of Religion and Philosophy*.

Answer:

Averroës ibn Rushd

23. The first prime minister was Zheng Xiaoxu, who was succeeded in 1935 by Zhan Jinghui. Only three nations officially recognized the nation in its short existence, and during that short time it was ruled by the last Qing emperor, Puyi. FTP name this nation with its capital at Xinjing, a puppet state of the Japanese carved out of Manchuria in 1931.

Answer:

Manchukuo or Great Manchu State

BONI - ROUND TWELVE

1. Identify the following people related to the Six-Day War FTPE.

(a) This man was president of Egypt at the time and led the Arab coalition that massed to attack Israel.

Answer: Gamal Abdel Nasser

(b) Currently Israel's Prime Minister, as commander of the southernmost of the three Israeli divisions on the Egyptian front, he led the attack on Abu-Ageila which led Egypt's Minister of Defense to order a full retreat from the Sinai.

Answer: Ariel Sharon

(c) This eyepatch-wearing Israeli general was Defense Minister of Israel, and though he did not take part in much of the planning of the war, he spun it to take a great deal of credit for Israeli success.

Answer: Moshe Dayan

- 2. Name the artists who executed the following works FTPE.
- (a) Impression: Sunrise

Answer: Oscar-Claude Monet

(b) Nude Descending a Staircase: No. 2
Answer: Marcel Duchamp

(c) The Voyage of Life series, a landmark work of the Hudson River School.

Answer: Thomas Cole

- 3. Identify the following parts of a leaf FTPE.
- (a) In angiosperms this is the term for the leaf stem.

Answer: petiole

(b) The epidermis is covered with this waxy layer to prevent water loss.

Answer: cuticle

(c) Guard cells control the opening and closing of these pores in the epidermis that enable oxygen and carbon dioxide to transfer between the leaf and the outside.

Answer: stoma or stomata

4. Given a work, name the science fiction author that penned it FTPE.

(a) Ringworld

Answer: Laurence van Cott "Larry" Niven

(b) I, Robot

Answer: Isaac Asimov

(c) Xenocide

Answer: Orson Scott Card

- 5. Now for some slightly more real literature; name the Jane Austen work of glorified crap from clues FTPE.
- (a) Published posthumously, this work tells of Anne Elliot, and her love for Captain Wentworth, whom she originally spurns at her father's request over his poor breeding, but they meet again with the tables turned.

Answer: Persuasion

(b) The first of Austen's novels to be published, it concerns the story of the sisters Elinor and Marianne Dashwood.

Answer: Sense and Sensibility

(c) The first of her novels to be completed for publication, it is a parody of Ann Radcliffe's *The Mysteries of Udolpho*, having Catherine Moreland expect something dark from the title location.

Answer: Northanger Abbey

- 6. Given a chemical compound, give the charge on sulfur FTPE.
- (a) Sulphate

Answer: +6

(b) Sulfur dioxide

Answer: +4

(c) Hydrosulphuric acid

Answer: -2

7. Identify the following African nations from their capitals for five points each.

(a) Cairo

Answer:

Egypt

(b) Tripoli

Answer:

Libya

(c) Dakar

Answer:

Senegal

(d) Addis Ababa

Answer:

Ethiopia

(e) Yaoundé

Answer:

Cameroon

(f) Asmara

Answer:

Eritrea

- 8. Identify the following authors associated with the Beat generation FTPE.
- (a) This author of A Coney Island of the Mind was the proprietor of the City Lights Bookstore, whose publishing company was responsible for publishing many of the early works of the Beat movement.

Answer:

Lawrence Ferlinghetti

(b) His poem *Howl* was banned for its obscenity, but the ban was overturned as it was found that the poem had redeeming social importance.

Answer: Allen Ginsberg

(c) His obsession with drug use, homosexuality and fantasies of extreme criminal acts can be found in such works as *Junky* and *Naked Lunch*.

Answer:

William Seward Burroughs

9. Given a record held by someone in the NFL and the year they set it, name the player FTPE.

(a) With 205 career TDs, this wide receiver still active in 2004 has 39 more than newly-retired Emmitt Smith in 2nd place.

Answer: Jerry Rice

(b) In 1990 this now-deceased Kansas City linebacker recorded seven sacks against the Seahawks, setting the single-game record. Ironically, he missed an eighth sack that resulted in the Seahawks winning the game.

Answer:

Derrick Thomas

(c) This longtime Detroit Lions running back holds the record for most 100 yard rushing games in a season with 14, and is third for both career and single season yards gained, records he would surely have shattered had he not retired at age 30.

Answer:

Barry Sanders

- 10. Answer the following about a particular war FTPE.
- (a) Important battles in this war included Crecy, Poitiers, and Agincourt.

Answer:

Hundred Years' War

(b) This English king's victory at Agincourt firmly established as the heir of Charles VI of France, whose daughter, Catherine of Valois, he had married. He sided with the Burgundians against the Armagnacs in the civil war that followed.

Answer:

Henry V of England

(c) Triggered in part by dismay over French failures but even more by the hardships caused by taxation to support the war effort, this peasant uprising led by Guillaume Kale broke out north of Paris in 1358, but ended the next summer.

Answer:

Jacquerie

- 11. Given a brief description, identify the particle from the standard model FTPE.
- (a) Sometimes referred to as the "God particle," it is the hypothetical particle expected to give other particles mass.

Answer-

Higgs boson

(b) First postulated by Wolfgang Pauli, its name was coined by Enrico Fermi, while the particle itself was not discovered until 1956 by Reines, whose discovery earned him the 1995 Nobel Prize.

Answer:

neutrino

(c) This hypothetical spin-2 boson of zero rest mass is not treated in the Standard Model, and it has not yet been observed due to the weak nature of the force it mediates.

Answer:

graviton

12. Baroque composers from works, FTPE.

(a) Canon in D

Answer:

Johann Pachelbel

(b) Dido and Aeneas

Answer:

Henry Purcell

(c) The Four Seasons

Answer:

Antonio Vivaldi

13. Identify the following people who established colonies in the US FTPE.

(a) In the 1730s he managed to get a royal charter to found Georgia as a debtors' colony.

Answer:

James Edward Oglethorpe

(b) The colony of Maryland was founded on March 25, 1634, when this man led the first settlers into the area, which became one of the few predominately Catholic regions in the colonies.

Answer:

Cæcilius Calvert, 2nd Baron Baltimore (accept Calvert)

(c) In 1636, after being banished from the Massachusetts Bay Colony, he established the state of Rhode Island.

Answer:

Roger Williams

14. Answer the following about a rather unfortunate woman of mythology FTPE.

(a) This woman, the wife of Amphion, made the horrible error of claiming to be superior to Leto, in that she had fourteen children versus Leto's two. Leto's children, Artemis and Apollo, promptly remedied that.

Answer:

Niobe

(b) Niobe was a daughter of this fellow, who attempted to feed his son, Pelops, to the gods before being punished with eternal hunger and thirst.

Answer:

Tantalus

(c) This deity, distracted by the abduction of her daughter, was the only one to accidentally dine on Tantalus' tainted meal, eating Pelops' shoulder before replacing it with ivory.

Answer:

Demeter

- 15. Name the Italian authors of the twentieth century from clues FTPE.
- (a) This recipient of the 1997 Nobel Prize in Literature and modern practitioner of the commedia dell'arte penned *Accidental Death of an Anarchist*.

Answer:

Dario Fo

(b) One of the leading semioticians, his fiction include Foucault's Pendulum and The Name of the Rose.

Answer:

Umberto Eco

(c) This poet, who shares his name with a famous Victor Hugo character, received the 1959 Nobel Prize in Literature, and penned the collections *Oboe sommerso*, *Erato e Apollion* and *To Give and to Have* or *Debit and Credit*.

Answer:

Salvatore Quasimodo

- 16. Identify the following about an American soldier of World War I FTPE.
- (a) He received the Distinguished Service Cross and the Medal of Honor, as well as various other medals from the French and Italians, for killing 25 Germans and capturing another 132 with just seven other Americans.

Answer:

Alvin Cullum York

(b) Promptly promoted to Sergeant, York actually held this rank at the time of his heroic achievement

Answer:

corporal

(c) Cpl. York performed these heroics during this battle that began Sept. 26, 1918, and was cut short by the armistice.

Answer:

Meuse-Argonne Offensive

- 17. FTPE, name these terms related to earthquakes.
- a. The location where the fault slips and seismic waves start from is known as this location.

Answer:

focus or hypocenter

b. The location on the earth's surface directly above the focus is known as this.

Answer:

epicenter

c. This type of seismic wave is the first to arrive after an earthquake. It can travel through solids or liquids, and propagates at a speed of 6 to 13 kilometers per second. These waves cause the ground to move back and forth as it is compressed and decompressed.

Answer:

P or primary waves

- 18. Answer the following things about a certain Middle Eastern religion FTPE.
- (a) Founded between 1400 BC and 1200 BC, this monotheistic Persian religion attributes only the *Gathas* of its holy book to its founder.

Answer:

Zoroastrianism or Mazdaism

(b) This is the holy book of Zoroastrianism, which contains the *Gathas*, and is written in a language closely related to Sanskrit.

Answer:

The Avesta or Zend-Avesta

(c) This "Wise Lord" is revered as the benevolent deity of Zoroastrianism, who stands opposed to Ahriman, who according to some accounts is his twin brother.

Answer:

Ahura Mazda or Ormuz or Ormuzd

- 19. Identify the following pieces of software that may be used to solve numerical problems in the sciences and applied mathematics FTPE.
- (a) Recently the fourteenth release has been issued, while this software originates to the 1970s, when it was designed by Cleve Moler, and was picked up by MathWorks in 1984.

Answer:

Matrix Laboratory (MatLab)

(b) Developed by Stephen Wolfram, this computer algebra system is considered by some to be a chief competitor of MatLab. Originally released in 1988, it is a Lisp-like program whose symbolic manipulation is greatly superior to MatLab's, but whose numerical abilities are more limited than MatLab's.

Answer:

Mathematica

(c) The granddaddy of all numerical programs, this programming language, originally developed in the 1950s by John Backus, included a complex number type made especially for the mathematical types.

Answer:

Fortran or Formula Translation or Formula Translator

- 20. Identify the following authors of early Japan FTPE.
- (a) During the Nara period this first great Japanese poetry anthology was compiled by the poet Otomo no Yakamochi, circa 759.

Answer:

Man'ys h□ or Anthology of a Myriad Leaves

(b) The age of classical literature in Japan occurred during the Heian period, in which this woman wrote her *Tales of Genji*, and forged a rivalry with fellow court member Sei Shonagon.

Answer:

Lady Murasaki Shikibu

(c) His travel book *The Narrow Road Through the Deep North* is a prose description of his travels, interspersed with the haiku that this poet is widely considered as being the master of.

Answer:

Matsuo Bash ☐ (accept either) or Matsuo Munefusa

- 21. Name the man, 30-20-10.
- (30) In 1809 he became Professor of History at Grenoble, having by the age of twenty mastered more than twelve languages as well as his native French.
- (20) He identified the importance of the Turin King List, and greatly expanded upon the work of Thomas Young, and it was this work for which he is most famous.
- (10) From 1822-1824 he worked towards deciphering the Rosetta Stone.

Answer:

Jean-François Champollion

22. Given an operator in the C++ programming language, identify what function the operator does for fifteen points each.

a) Two ampersands (&&)

Answer:

and (accept "logical and")

b) The percentage sign (%)

Answer:

modulus (accept "mod")