

Round 11 – QU Open: Hawkfest '99

Tossups by David Kirchofer, Subash Maddipoti*, and Robert Whaples**

1. After earning his Ph.D. from the University of Uppsala in 1839, he stayed on for the rest of his life as a teacher of physics and astronomy. Like Kirchoff and Fraunhofer, in the 1860s he studied the dark lines in the solar spectrum, and was the first to report several elements present in the sun's atmosphere, the most important being hydrogen in 1862. For his measurements of wavelength, he adopted as his base unit one ten billionth of a meter. FTP, identify this Swedish scientist, whose namesake unit has largely been supplanted by a unit ten times larger, the nanometer.

Answer: Anders Jonas ANGSTROM

2. Its members described their meetings as opportunities to satisfy "a common craving for further investigation than was permitted by the opportunities given by the University into higher philosophy." Founded as the Cambridge Conversation Society in 1820, an early member Alfred Tennyson wrote of it in his poem "The Lotus Eaters." Other participants included Bertrand Russell and future Bloomsbury members like John Maynard Keynes and E.M. Forster. FTP, give the common name by which this group was known, a reference to the fact that it was limited to twelve members at any one time.

Answer: The APOSTLES (prompt on "The Society")

3. With the lead being sung by the soprano Guiditta Pasta, this opera premiered in Milan at La Scala the day after Christmas in 1831 just three years before the composer's death at the still young age of 34. The title character is to signal an uprising against the Romans by cutting the sacred mistletoe, though her compatriots do not know that she is the lover of the Roman proconsul, with whom she has two children. Somewhat implausible, but perfect for this opera, which ends with our heroine and her lover walking into flames to their deaths. This opera dealing with the daughter of a Gaulish Druid is not *La Sonnambula* but what other masterpiece of Vincenzo Bellini.

Answer: NORMA

4*. The first one concluded with the Pacification of Berwick, thus, ending without battle. The second was marked by several military successes of the Scots, including their seizure of the whole of Northumberland and Durham. It caused the dissolution of so-called Short Parliament and the eventual summoning of the Long Parliament in November of 1640, thus precipitating the English Civil War. They had originally started with the refusal by the General Assembly at Glasgow to follow Charles I's endeavor to enforce Anglican observances in the Scottish church. FTP, identify these religious sounding wars between England and Scotland in the mid-17th century.

Answer: BISHOPS' Wars

5. This country has a population of 11 million people, an area of 42 thousand square miles, and several volcanoes that rise to a height of over 11 thousand feet. It was a Spanish colony from 1524 to 1821, and became a republic in 1839 under the dictator Rafael Carrerra. Before the arrival of the Spanish, this country with the quetzal as the currency, had spent a thousand years as the center of the Mayan Indian Empire. FTP, name this country that lies to the west of Belize and north of El Salvador.

Answer: Republic of GUATEMALA

6. The derivation for this number is relatively simple. It can be shown that the infinite series with the pattern one plus one half plus one third plus one fourth and so on diverges to infinity. Also, the area between the curve $y = 1/x$ and the x axis from $x = 1$ to infinity also diverges. However, if we compute the difference between these two quantities in a manner which takes what is known as an infinite sequence of partial sums, we get a finite number. The result is irrational and has as the first few digits zero point five seven seven two one five, and is often symbolized by a lower case gamma. FTP, identify this constant or its namesake, a famous 18th century Swiss mathematician.

Answer: EULER-Mascheroni constant or Leonhard EULER (oiler)

7. His real surname is thought to be Montcorbier or Loges. He spent much of his life associated with the criminal class, killing a priest in a street brawl, and taking part in many thefts, for which he was banished from his Paris. He is best known for his poetry, a line of which may have inspired John Erlichman to suggest on one of the Watergate tapes that a federal employee be left to "twist slowly, slowly in the wind." These lines are taken from this man's "Ballad of the Hanged." FTP, identify this medieval French poet best known for his collections of poetry *The Little Testament* and *The Great Testament*.

Answer: Francois VILLON (vee'yawn)

8*. Chief of the *ganas*, he is a patron of letters and learning, and it was he who functioned as the legendary scribe, who, through Vyasa's dictation, wrote down the *Mahabharata*. Considered the remover of obstacles, he is usually the first god invoked at the beginning of worship, and his image is often seen at the entrance to a temple. One account of his birth is that his mother, Parvati, formed him from the rubbings of her body so that he might stand guard at the door while she bathed. Angered at this, his father Siva accidentally had his head cut off. FTP, identify this Indian deity of Simpsons fame, known for his elephant head.

Answer: GANESHa or GANESa or GANAPATI or VINAYKA or VIGNESHWARA

9*. Their power had been hamstrung by the Fundamental Laws, which deprived the first one of control over state ministers and portions of the state budget. The first two were elected indirectly, except in five large cities, by a system that gave undue representation to the peasantry, which the government expected to be conservative. Meaning “deliberation” the first was established by the October Manifesto. The third survived its full five-year term, and the fourth became the focal point of opposition to the imperial regime during World War I, finally accepting the abdication of Nicholas II. FTP, identify these Russian state assemblies of the early 20th century.

Answer: Gosudarstvennaya DUMA (accept “dumas” though this is grammatically incorrect)

10. Few details are known of the life of this painter, though we do know the year of his birth, as his baptismal record was recorded on the same page as that of the biologist Anton van Leeuwenhoek. Documentation exists for only 35 of his works, one of which is *Maid servant Pouring Milk*, a painting that demonstrates how his arrangement of neutral, muted hues provides natural perspective. A master of interior genre scenes, he often used the technique of camera obscura as noted in his painting *The Lacemaker*. FTP, identify this 17th century Dutch master, most famous for a painting of his hometown entitled *A View of Delft*.

Answer: Johannes (Jan) VERMEER

11*. The visible effect of this stage is that the germinal layers become further subdivided into aggregations of cells that assume the rudimentary form of various organs. Thus, it is followed by the process of organogenesis. It is the first stage in which one can distinguish between ecto-, meso-, and endoderm layers. It begins with the invagination of cells on one side of the previous stage, until they are juxtaposed to the other side. FTP, identify this embryonic stage, or the process to attain it, that sometimes precedes a morula, and always follows the blastula.

Answer: GASTRULA or GASTRULATION

12*. The title character of this novel attends but does not finish college, becomes involved briefly in union organizing, travels to Mexico, returns to the USA and joins the navy, marries and, after leaving the service, goes to Europe to write his “memoir.” The memoir makes up the main part of the novel discussing such influential characters as Bateshaw, the lunatic scientist; Renlings, the wealthy man from Evanston; Thea Fenchel, a rich married woman; and Stella Chesney, the showgirl that the title character marries. FTP, identify this Saul Bellow novel that deals with the escapades of the title character.

Answer: The ADVENTURES OF AUGIE MARCH

13**. It began at 9:00 AM when the attacking army fired a volley of arrows that the English repelled by interlocking their shields. The English then turned back a cavalry charge, but several units of axemen broke ranks to pursue the cavalry's retreat down Senlac Hill. William noticed this, feigned a retreat, allowed the English to pursue, and encircled their army to win, for ten points, what battle fought on October 14, 1066 between William of Normandy and Harold II of England?

Answer: Battle of HASTINGS

14*. Like his fellow villagers this little hero is always on the prowl for soldiers from the garrisons of Aquarium, Totorum, Compendium, and Laudanum. In some of his adventures he must recover the "black gold," or sabotage the "Mansions of the Gods," or find a golden sickle for his druid to cut mistletoe. His fellow villagers include Unhygienix, the fishmonger; Fulliautomatix, the town blacksmith; and Vitalstatistix, the village chieftain. He is rarely without his gourd of magic potion, or his companion, the menhir-delivery, wild boar addict, Obelix. FTP, identify this subject of a Goscinny and Uderzo comic, a shrewd, cunning, little warrior Gaul.

Answer: ASTERIX the Gaul

15. The insight into this movement's process of learning was made by one of its founders while stranded on one of the Canary Islands during World War I, in observing the behavior of a colony of chimpanzees located there. According to adherents of this school of psychology, accurate perception of one's own needs and of the world is vital to balancing experience. It's most important teaching was in its explanation that human perceptions are irreducible experiential configurations not derivable from a simple summation of perceptual elements such as sensation and response. FTP, identify this school of psychology associated with Koffka, Kohler, and Wertheimer.

Answer: GESTALT Psychology

16*. A native of Sicily, he agreed with Parmenides that there can be no absolute creation or destruction of reality, for he claimed that there is relative change, thereby achieving a compromise between Heraclitus (heraklytus) and Parmenides. To explain his major philosophy, a contradiction of the Eleatics, he formulated the *principle of unification*, which he labeled love, and the *principle of individuation*, which he termed strife. According to him, the interaction between these two forces results in a continual amount of flux in the world helping one deal with the separation and combination of the elements. FTP, identify this philosopher, who postulated that there are four permanent things: earth, air, fire, and water.

Answer: EMPEDOCLES

17**. Its author, a part-time English professor and stay-at-home dad, wrote it in his North Carolina cabin. In it, Ada is a southern belle born in Charleston who lives on her deceased father's farm. Her lover before the war began is Inman, a Confederate soldier who shares his name with the author's great-great uncle. Inman deserts from a military hospital and travels 300 miles to return home to Ada at the title location. FTP, identify this 1997 novel by Charles Frazier.

Answer: COLD MOUNTAIN

18**. The father helped found the Bull Moose party and managed Charles Evans Hughes 1916 presidential campaign; in the musical *Annie*, FDR demands that he sing a verse of *The Sun Will Come Out Tomorrow*. In January, the son called Bill Clinton a total idiot; two weeks later, Janet Reno announced she will not seek an independent council to investigate whether he lied to the Senate. For ten points, identify these men, the father who served as Secretary of the Interior for 13 years and the son who served as Deputy Chief of Staff for three.

Answer: HAROLD ICKES (ick ees)

19*. At Rome she was called Victoria and came to be regarded as the protecting goddess of the Senate. In Greek religion she was the daughter of the giant Pallas and of the infernal River Styx and was often depicted in sculpture as evidenced by Paeonius' version of her "of Samothrace." She often appears carrying a palm branch or a wreath and sometimes the staff of Hermes. In her Athena form she is always wingless, but by herself she is always winged. FTP, identify this Greek goddess of victory, whose sculpted wings inspired a shoemaker's swoosh.

Answer: Athena NIKE

20. This dramatist would only live to the age of 38 due to Hodgkin's disease and leave many of his plays, including *Deirdre of the Sorrows* unfinished. One of his one act plays feature an elderly peasant couple, with the husband feigning death to test his wife's fidelity. Another play begins in the kitchen of a house on an island, as two sisters prepare to examine some clothing taken off a drowned man, who they suspect is their brother Michael. The play ends the same day as the sisters and their mother find out that Bartley, the last surviving brother, has also drowned. FTP, identify the Irish author these plays - *In the Shadow of the Glen* and *Riders to the Sea* – perhaps best known for *Playboy of the Western World*.

Answer: John Millington SYNGE (sing)

21*. He shortened Holy Week ceremonies and relaxed the law of fasting before Holy Communion, which was accomplished by his encyclical entitled *Mediator Dei*. He threatened to excommunicate any Catholic who was a communist, and on Christmas 1950, he announced that excavators had found the tomb of the apostle Peter beneath Saint Peters Basilica in Rome. Well known for proclaiming the Assumption of the Blessed Virgin into heaven, FTP, identify this pope born Eugenio Pacelli, an opponent of fascist Italy and Germany who became pope when Pius XI died in 1939.

Answer: PIUS XII (accept early buzz of "Eugenio Pacelli")

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Boni by David Kirchofer and Subash Maddipoti*

1. Identify the following terms from philosophy FTP each.

- a) This two word name identifies the 20th century philosophical movement founded by the Vienna Circle.

Answer: LOGICAL POSITIVISM

- b) This is the branch of philosophy that studies the sources, validity, and limits of knowledge.

Answer: EPISTEMOLOGY

- c) It is the form of reasoning we use when we argue from what is true of one set of facts to what is probably true of further facts of the same kind.

Answer: INDUCTION

2. 30-20-10, Name the book.

30: One character, who never speaks or is even identified by name, is the man in a mackintosh. A running joke through much of the book involves a racehorse named throwaway.

20: Though the book had been completed twelve years earlier, it was not available for sale in the U.S. until after 1933.

10: The character of Stephen Dedalus is said to represent Telemachus, and Molly Bloom is said to represent Penelope.

Answer: ULYSSES

3. Three kinds of statistics are available for problems involving the analysis of a system of identical particles such as electrons. Each type is named for the two scientists who contributed to its development. Identify those scientists for each case described below F5P each.

- a) Classical particles, used before the advent of quantum theory.

Answers: James MAXWELL and Ludwig BOLTZMANN

- b) Particles with integral spin

Answers: Satyendranath BOSE and Albert EINSTEIN

- c) Particles with half-integral spin

Answers: Enrico FERMI and Paul DIRAC

4. Identify the year of the following events from the first half of this century FTP each. You get 5 points if you are within one year.

- a) The Second Battle of the Marne.

Answer: 1918 (5 points if between 1917-1919)

- b) Austrian annexation of Bosnia and Herzegovina.

Answer: 1908 (5 points if between 1907-1909)

- c) The death of Lenin.

Answer: 1924 (5 points if between 1923-1925)

5. Answer the following questions about the guitar FTP each.

- a) All or nothing, give the notes when in standard tuning of each of the six strings from high to low pitch.

Answer: E B G D A E

- b) Give the four-letter word for the device that can be used change the key of a song without having to change the fingerings on the fretboard. It is taken from the Italian for "head"

Answer: CAPO (cay poe)

- c) Give the three-letter term for a chord played by blocking several strings with the same finger. It is also used as an alternate term for a measure in a song.

Answer: BAR

6. Identify the playwrights from works on a 15-5 basis.

15: *The Wedding Guest, Dear Brutus, What Every Woman Knows*

5: *Peter Pan*

Answer: James M. BARRIE

15: *Krapp's Last Trap, All That Fall, Embers*

5: *Endgame, Waiting for Godot*

Answer: Samuel BECKETT

7. Given a definition identify the following terms associated with sleep FTP each.

- a) This term denotes a disorder characterized by uncontrollable seizures of sleep during the walking state.

Answer: NARCOLEPSY

- b) This term denotes a temporary stopping of breathing that occurs repeatedly during sleep.

Answer: APNEA

- c) During sleep, one's brain waves can be measured by this procedure commonly abbreviated EEG. Identify the technique or the picture it produces.

Answer: ELECTROENCEPHALOGRAPHY or ELECTROENCEPHALOGRAPH

8. Answer the following questions about the 1872 presidential election for the stated number of points.

- a) F5P each, name the winner, a former Union General, and the runner up in the popular vote, a journalist for the New York Herald.

Answers: Ulysses S. GRANT and Horace GREELEY

- b) FTP, name the man who was unmerciful on the Greeley candidacy in his illustrations for *Harper's Weekly*.

Answer: Thomas NAST

- c) FTP, Grant might have been greatly aided in public opinion by his settlement of claims with the British over this Confederate ship, which had been built by the British.

Answer: ALABAMA

9. Answer the following about the Bible for the stated number of points.

a) FTP, name the penultimate, or second-to-the-last, book of the Old Testament.

Answer: ZECHARIAH

b) F5P each, name the two books in which one can find the text of the ten commandments.

Answer: EXODUS and DEUTERONOMY

c) FTP, name the Gospel which is thought to be the first written.

Answer: The Gospel According to MARK

10. 30-20-10, Name the activity.

30: Some present stars on the professional circuit are Paul Soloway, Jeff Meckstroth, and Eric Rodwell.

20: Some stars of the past are Charles Goren, Helen Sobel, and Oswald Jacoby.

10: Known to be a favorite pastime of Omar Sharif, its terminology includes "grand slam," "double," "no trump," and "pass."

Answer: Duplicate BRIDGE

11. Identify the poems from lines on a 5-10-15 basis.

5: "April is the cruellest month, breeding / Lilacs out of the dead land, mixing / Memory and desire, stirring / Dull roots with spring rain."

Answer: The WASTE LAND by T.S. Eliot (accept "The Burial of the Dead")

10: Far from the madding crowd's ignoble strife, / Their sober wishes never learned to stray: / Along the cool sequestered veil of life, / They kept the noiseless tenor of their way."

Answer: ELEGY WRITTEN IN A COUNTRY CHURCHYARD by Thomas Gray

15: "Bring me my bow of burning gold: / Bring me my arrows of desire: / Bring me my spear: O clouds unfold! / Bring me my chariot of fire."

Answer: MILTON: A Poem in Two Books by William Blake

12. Identify the countries from features on a 15-5 basis.

15: It contains the Sokoto and Benue rivers and the cities of Kano and Zaria.

5: Its capital city was moved from Lagos to Abuja in 1991.

Answer: NIGERIA

15: It contains the Cotopaxi, at 19,347 feet, one of the highest volcanoes in the world. In addition it contains the city of Guayaquil, which is situated on the Gulf of Guayaquil.

5: This South American country has its capital at Quito.

Answer: ECUADOR

13*. Given a description identify these instruments useful in detecting radioactive particles FTP each.

- a) This device utilizes a liquid such as ether or propane, which is superheated to well above the boiling point. When the pressure is released quickly, the liquid is in a highly unstable condition. An ionizing particle passed through the liquid at this instance leaves a detectable trail which gives the device its name.

Answer: BUBBLE CHAMBER

- b) It consists of two thin gold leaves, which separate upon receiving a net charge.

Answer: ELECTROSCOPE

- c) It consists of a fine wire of tungsten mounted along the axis of a tube that contains a gas at reduced pressure. The type of radioactive particle can not be identified, but each individual particle can be detected.

Answer: GEIGER COUNTER

14*. Answer the following about the Inquisition FTP each.

- a) In 1487 this man was made grand inquisitor for all Spain by Pope Innocent VIII. The first and most notorious grand inquisitor, over 2000 people were burned at the stake during his term of office.

Answer: Tomas de TORQUEMADA

- b) Alarmed by the spread of Protestantism this pope established the Roman Inquisition in 1542.

Answer: Pope PAUL III or Alessandro FARNESE

- c) FTP exactly or 5 points within 20 years, in what year did was the Spanish Inquisition officially ended.

Answer: 1820 (5 points if between 1800-1840)

15. Identify the painters from works on a 15-5 basis.

15: *The Langlois Bridge, Crows in the Wheatfields*

5: *The Potato Eaters, Starry Night*

Answer: Vincent VAN GOGH

15: *Puberty, Frieze of Life*

5: *The Scream*

Answer: Edvard MUNCH

16*. Answer the following about a certain author for the stated number of points.

- a) F15P, This man's first novel was Happy Valley and others since then include A Fringe of Leaves and The Twyborn Affair. His autobiography is entitled Flaws in the Glass.

Answer: Patrick WHITE

- b) F5P, Although born in London White's literature is almost entirely based on people of this country.

Answer: AUSTRALIA

- c) FTP, White might be best known for this 1957 novel about a man who disappears into the wild Australian interior to test himself and gain some sort of psychic regeneration.

Answer: VOSS

17*. Answer the following about a mythological hero FTP each.

- a) He single-handedly defeats the army of Queen Medb of Connacht, but later dies due to Medb's trickery.

Answer: CU CHULAINN (Koo kull'n)

- b) Cu Chulainn is the principle hero of this group of pagan sagas and romances of Gaelic literature.

Answer: the ULSTER CYCLE

- c) In the Ulster Cycle Cu Chulainn is educated by the warriors and poets at the court of his uncle, the king of Ulster. Name that king.

Answer: King CHONCHOBOR

18*. Answer the following about a family of languages for the stated number of points.

- a) FTP, Speakers of this family of 23 languages are found mainly in the Republic of India, but also in parts of Sri Lanka, Southeast Asia, Africa, and Pakistan. Some of its member languages include Gondi, Kurukh, and Tulu. The name also identifies the pre-European people of southern India.

Answer: DRAVIDIAN languages

- b) F5P, within 50 million how many people speak Dravidian languages as of January 1998.

Answer: 170 million (accept 120 to 220 million)

- c) FTP, name any one of the four most widely spoken Dravidian languages.

Answers: TELUGU or
TAMIL or
KANNADA or
MALAYALAM

19*. Answer the following about ancient Rome FTP each.

- a) The struggle between the plebeians and the patricians did not end until the passage of this law in 287 BC, giving the plebeian council the force of law for all.

Answer: lex HORTENSIA

- b) The First Punic War was fought primarily over control of this island and the Strait of Messina.

Answer: SICILY

- c) This Roman statesman and writer became obsessed with the idea that Carthage, which repelled him because of its luxury and wealth, was a menace to Rome. Largely due to his influence, in the year of his death the Third Punic War began. He is best remembered for saying "Carthago delenda est," or "Carthage must be destroyed."

Answer: CATO the ELDER or CATO the CENSOR (prompt on just "Cato")

20*. Identify the following "c" words from chemistry on a 5-10-15 basis.

5: Any substance that changes the rate of reaction without being used up. Most associate it with speeding up a reaction.

Answer: CATALYST

10: A mixture composed of a suspended and mobile phase, or the pink matter of the thyroid glands.

Answer: COLLOID

15: The effect that states that multidentate ligands have equal probability of forming a coordination bond. The same applies for monodentate ions.

Answer: CHELATE effect

21*. Answer the following about Jane Austen's novel Pride and Prejudice for the stated number of points.

a) F5P, what is the central family of the novel? Their five daughters are all seeking husbands.

Answer: the BENNET family or the BENNETS

b) F5P for one and 15 for both, name the eldest Bennet sister and her love, both of whom are finally united by the end of the novel.

Answers: JANE Bennet and CHARLES BINGLEY (accept either name)

c) FTP all or nothing, name the second eldest Bennet sister and her love, both of whom are united by the end of the novel.

Answers: ELIZABETH Bennet and FITZWILLIAM DARCY (accept either name)