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MAY DAY 24

Subject: Consolation pack
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Since I have no idea what happened to the rest of the Harvard rounds (I sent you what I could find!) keep this as collateral until I find the rest of them. Scott Coon may have them still on his account but I can't ask him for 2 weeks.

Enjoy,
-- maribeth

Quincy Tournament
University of Illinois, Team B packet

Tossups

T1) A Hungarian doctor born in 1818, his work "The Etiology, Concept and Prophylaxis of Childbirth Fever" showed that a disease of pregnant mothers was spread by doctors who didn't wash their hands. For ten points, name this originator of antiseptic medical practice.

Answer: Ignaz SEMMELWEIS

T2) This soldier was sent by Nur-ed-din with an army to aid the Egyptian caliph of the Shiite Muslims. Eventually he became vizier and instead converted Egypt to Sunni Islam in 1171. After the caliph's death, he was named sultan. He began expanding his empire, but eventually had to form a truce with Richard the Lion-Hearted after the battle of Acre. For ten points, name him.

Answer: SALADIN

T3) Elbow-room, assassination, bumps, critical, dwindle, fitful, and fretful are all words invented by the same man, better known for his poem "The Rape of Lucrece". For ten points name this writer, still better known for such plays as "The Tempest".

Answer: William SHAKESPEARE

T4) The treatise is named after the author's son, because it was supposedly edited by him after his father's death. It outlines a theory of the good and was influenced by the mathematician Eudoxus while the author was at Plato's Academy. For ten points, name this treatise on ethical behavior by Aristotle.

Answer: NICHOMACHEAN ETHICS

T5) Charles Lucien was a Parisienne ornithologist of some note. Charles Joseph was Teddy Roosevelt's Attorney General from 1906-1909. Charles Joseph's grandfather, Jerome, was King of Westphalia, and brother to the King of Holland, the King of Spain,

and, of course, the Emperor of France. For ten points, name this influential Corsican family.

Answer: BONAPARTE

T6) John Christopher, a former convict and waste hauler, made illegal deals with aldermen to dump construction debris throughout Cook County, Illinois. Now his video and audio tapes of these deals are central to, for ten points, what ongoing federal corruption investigation?

Answer: SILVER SHOVEL

T7) Originally it meant a technique of scratching through the surface of plaster or pottery to reveal a contrasting color beneath. More commonly it is known for words or abstract drawings scratched or spray painted in public places. For ten points, name this urban art form.

Answer: GRAFFITI

T8) Regard forces as lines emanating from a point source. Surround this source with a sphere of a certain radius. Notice how the density of force lines through the surface changes as the radius changes and you will discover, for ten points, what relationship of force strength to distance common to electromagnetism and gravitation?

Answer: INVERSE-SQUARE relationship (or law)

T9) The King of Phrygia's ears were turned to those of an ass after he judged that Pan was a better musician than Apollo. This was the poor man's second run-in with the gods. Earlier he was rewarded with great power by Dionysus, but had to give it up because it became too hard to eat. For ten points, name this king who bathed in the river Pactolus and thereby turned its sand to gold.

Answer: MIDAS

T10) This water-bearing magnesium silicate is white, soft, and light enough to float. Also called sepiolite, its more common name means "sea foam" in German. For ten points, name this mineral, valued by makers and smokers of pipes.

Answer: MEERSCHAUM

T11) George Will has called this man's hitting the most beautiful statistic in baseball: 1815 hits at home, 1815 hits on the road. He had a .331 lifetime batting average, and, with the St. Louis Cardinals between 1941 and 1963, won seven National League batting titles. For ten points, name The Man.

Answer: Stan MUSIAL

T12) To those not prepared for the pain of love, this poet advises "go out from love's threshing floor into a season-less world, where you will laugh, but not all of your laughter, and you will cry, but

not all of your tears." For ten points, name this Lebanese author of these lines from The Prophet.

Answer: Kahlil GIBRAN

T13) In May of 1864, U.S. Grant's Army of the Potomac entered a region west of Chancellorsville, Virginia. His 115,000 men were met in the woods by Lee's 75,000 and fought for two days. Eventually the underbrush caught fire and began killing the wounded. For ten points, name this battle, finally ended without victory on either side.

Answer: the WILDERNESS

T14) Also called polyphony, this is a highly structured combination of several melodic lines to form harmonies. It includes rounds, canons, and organum, a form of monastic chanting. For ten points, name this musical structure, which reached a high point with J.S. Bach's "The Art of the Fugue".

Answer: COUNTERPOINT

T15) When mixed with nitrogen, this element forms a synthetic crystal with the hardness of diamond, but a 3500 degree Fahrenheit melting-point. The element was isolated in 1808 by Sir Humphry Davy, among others, and forms heat resistant compounds with titanium and tungsten. It has an atomic weight of 10.811. For ten points, name this fifth element.

Answer: BORON

T16) The North American phase was known as Queen Anne's War, but most of the action was in Europe. Louis XIV lost at Malplaquet, Oudenarde, and Blenheim. Eventually the Grand Alliance decided it would be better to let Louis' nephew Phillip be King of Spain than have their own candidate be head of both Spain and the Holy Roman Empire. For ten points, name this war, ended in 1713 with the Peace of Utrecht.

Answer: War of SPANISH SUCCESSION

T17) In Kenzaburo Oe's "Aghwee the Sky Monster", D, a composer, is plagued by a giant invisible baby, Aghwee. D's chaperon compares this frequently to his favorite Jimmy Stewart movie, about a man who lives with a six-foot invisible rabbit. For ten points, name the rabbit and you've named the movie.

Answer: HARVEY

T18) In 1842, he wrote that he was "Yearning for the large excitement that the coming years would yield,/ Eager-hearted as a boy when first he leaves his father's field." Forty-four years later, he revisited this poem in "Locksley Hall Sixty Years After," and felt differently: "Fires that shook me once, but now to silent ashes fallen away./ Cold upon the dead volcano sleeps the gleam of dying

day." For ten points, name the British lord who wrote these lines in the follow-up to ``Locksley Hall".

Answer: Alfred, Lord TENNYSON

T19) Ernest Gibbons, Mr. Justice Lenox, His Serenity Seraphin the Younger, Proscribed Prisoner No. 83M2742, Corporal Ted Bronson, Captain Aaron Sheffield, and Woodrow Wilson Smith are all aliases for the Senior of the Howard Families and oldest member of the human race, in Robert Heinlein's ``Time Enough for Love". For ten points, give the name by which this 2000-year-old troublemaker is best known.

Answer: LAZARUS LONG

T20) Trust versus mistrust, autonomy versus shame and doubt, initiative versus guilt, industry versus inferiority, identity versus role confusion, intimacy versus isolation, generativity versus stagnation, and integrity versus despair are the eight stages of human development according to what 20th Century Freudian psychologist?

Answer: Erik ERIKSON

T21) Despite high cliffs and 30-foot walls, this supposedly impenetrable city has been taken in battle, by the British attacking from the Plains of Abraham. The city's Citadel, where Churchill and Roosevelt met in 1943 and '44, rises over 200 feet above the St. Lawrence river. For ten points, name this walled city, capital of its namesake Canadian province.

Answer: QUEBEC

T22) Infection by Haemophilus Aegyptius causes inflammation of the inner eyelid and the membrane over the eyeball. Eyes become red and watery, and in some cases are sealed shut by a discharge of pus. For ten points, name this condition, also known in certain cases as pinkeye.

Answer: CONJUNCTIVITIS

T23) He formulated the first quantum theory of superfluid helium, and was respected as a researcher in general relativity, though those weren't his specialty. He is best known to the public, however, for a two-minute demonstration with ice-water that the Challenger's O-rings were not designed to operate in cold weather. For ten points, name this physicist, subject of James Gliick's ``Genius".

Answer: Richard FEYNMAN

T24) Born New Year's Day, 1909, this politician went straight from the Phoenix city council to the US Senate, defeating the majority leader in the general election. We explained his views in such works as ``The Conscience of a Conservative", and ``Where I Stand". He was selected as the 1964 Republican presidential candidate, but lost to

Lyndon Johnson. For ten points, name this Arizona senator.

Answer: Barry GOLDWATER

T25) The common zeroes of a set of these is called a variety. Gauss proved they split completely over the complex numbers, but Ruffini, Abel and Galois showed that you can't solve them by hand if they have degree five or greater. For ten points, name these objects, whose factoring is of great concern to junior-high algebra classes.

Answer: POLYNOMIALS

Bonuses

B1) Identify the poem from lines for 30, 20, or 10 points.

30: We have to use a spell to make them balance:

``Stay where you are until our backs are turned!"

20: He says again, ``Good fences make good neighbors."

10: Something there is that doesn't love a wall,

Answer: MENDING WALL, by Robert Frost

B2) Identify these terms from neurobiology for ten points apiece.

a) These cells are ten times as numerous as neurons in the human brain, but only one-tenth the size. They remove waste and build the myelin sheath. They guide axon growth and neuron migration in embryos.

Answer: GLIA (accept neuroglia)

b) This is the active transport mechanism that forces abnormally low sodium ion concentrations inside the neuron, creating the resting potential of the neuron.

Answer: SODIUM-POTASSIUM PUMP

c) In large neurons, the cell body swells at the base of the axon. Name this swelling.

Answer: axon HILLOCK

B3) In 1688 the English deposed their Catholic monarch and installed a Protestant. Answer the following:

a) For ten points, who was deposed in the revolution?

Answer: JAMES II

b) For five points, who replaced James II on the throne?

Answer: WILLIAM III

c) Ireland supported James II, who tried to lead them in a revolt in 1689-90. For 15 points, what treaty ended this attempt after the English victory at the Boyne river?

Answer: Treaty of LIMERICK

B4) Name the sculptor for 30, 20, or 10 points.

30: New York City is home to his Mares of Diomedes, in the Metropolitan Museum of Art, and his statues of the Apostles, in the Cathedral of St. John the Divine.

20: He planned but never completed a Confederate Memorial at Stone Mountain in Georgia.

26 10: He carved Lincoln's head at least 3 times, once for the Capitol rotunda, and once with his son's help in South Dakota.

Answer: Gutzon BORGLUM

B5) Three families held the hereditary powers and title of Shogun in Japan, ruling off and on between 1100 and 1867. For ten points each, name the families.

Answer: MINAMOTO, ASHIKAGA, TOKUGAWA

B6) Identify these schools of economic thought for ten points apiece.

a) This holds that wages and prices are rigid and do not respond quickly to economic shocks. Government has some role in preventing deep recessions, and labor productivity runs counter to the business cycle.

Answer: KEYNESIAN school

b) This school believes "there is a consistent relationship between the growth rate of the quantity of money and the the growth rate of nominal income." The government should follow simple, unchanging rules to manage the money supply, and has little power to smooth out business cycles.

Answer: MONETARISM

c) This school was the first to hold that wealth came from production and said it circulated through society like blood. It believed only agriculture produced wealth and industry merely manipulated it. It was founded by a physician named Quesnay.

Answer: PHYSIOCRATS

55 B7) The federal government has been pursuing a lawsuit against the author of the encryption software PGP for alleged violations of the Export Control Act. For five points apiece, what do the letters PGP stand for?

Answer: PRETTY GOOD PRIVACY

Now for ten more points, name the author of PGP.

Answer: Phil ZIMMERMAN

B8) The Congress of Vienna organized the German states into a confederation of 39 regions. State whether each of the following regions ended up as part of the Kingdom of Prussia, the Austrian Empire, or independent within the confederation.

Bohemia

Answer: AUSTRIAN

Rhineland

Answer: PRUSSIA

Westphalia

Answer: PRUSSIA

Hanover

Answer: INDEPENDENT

Salzburg

Answer: AUSTRIAN

Bavaria

Answer: INDEPENDENT

B9) A key postulate of general relativity can be phrased, "no

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experiment performed locally can distinguish between a constantly accelerated frame and an inertial frame in a uniform gravitational field." For 20 points, name the principle.

95
Answer: principle of EQUIVALENCE

For ten points, name the physicist who first formulated the principle of equivalence.

Answer: Albert EINSTEIN

B10) Name the artist for 30, 20 or 10 points.

30: His bravura brushwork earned him and his followers the nickname "the Slashing School".

20: He was born in Florence, Italy, in 1856 of American parents, studied painting in Paris, and lived in London as an adult.

10: He painted popular portraits of Claude Monet, Teddy Roosevelt, John Hay, and Woodrow Wilson.

Answer: John Singer SARGENT

B11) The Spratly Islands are a small group of uninhabited reefs in the South China Sea that are claimed in whole or in part by six governments. For five points apiece, name the governments.

200
Answer: CHINA, TAIWAN, PHILIPPINES, VIETNAM, MALAYSIA, BRUNEI

B12) Given an opera, name the composer, for five points apiece.

Carmen

Answer: BIZET

Tristan und Isolde

Answer: WAGNER

Così fan Tutte

Answer: MOZART

Samson and Delilah

Answer: SAINT-SAENS

Otello

Answer: VERDI or ROSSINI

Favorita

Answer: DONIZETTI

B13) For ten points apiece, name the country from a list of bordering countries.

a) it is completely surrounded by Romania and Ukraine.

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Answer: MOLDOVA

b) it is surrounded by Angola, Namibia, Botswana, Zimbabwe, Mozambique, Tanzania, and Zaire.

Answer: ZAMBIA

c) Name either of the two countries bordering only China and India.

Answer: NEPAL or BHUTAN

B14) Identify the Shakespeare play from a list of characters for the stated number of points.

a) 5 points: Polonius, Ophelia, Laertes, Gertrude

Answer: HAMLET

b) 10 points: Antipholus of Ephesus, Dromio of Ephesus, Antipholus of Syracuse, Dromio of Syracuse

Answer: The COMEDY OF ERRORS

c) 15 points: Sir John Falstaff, Fenton, Shallow, Mrs. Ford, Mrs. Page, Mrs. Quickly

Answer: MERRY WIVES OF WINDSOR

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700
B15) Identify these sociological terms related to marriage for ten points apiece.

1) a polygamous marriage with a central male and several females.

Answer: POLYGyny (or polygynous)

2) a polygamous marriage with a central female and several males.

Answer: POLYANDRY (or polyandrous)

3) societal norms, including incest taboos, that require one to marry outside one's own culture group.

Answer: EXOGAMY
230

B16) Identify these Somerset Maugham works from a brief description for 10 points apiece.

1) This 1919 work is based on the life of painter Paul Gauguin.

Answer: THE MOON AND SIXPENCE

2) This 1915 work concerns a lame medical student in love with an unappreciative woman.

Answer: OF HUMAN BONDAGE

3) This 1930 comic satire centers around an English author.

Maugham denied the author was modeled after Thomas Hardy.

Answer: CAKES AND ALE
205

B17) Identify these metallurgical processes from descriptions for 10 points apiece.

a) Ore is subjected to high heat. Carbon monoxide from burning coke draws away oxygen from the ore, while impurities melt off and mix with limestone and are removed as slag.

Answer: SMELTING

b) Also called hydrometallurgy, metal is removed with a chemical solvent, then recovered from solution as a precipitate. \smallskip

Answer: LEACHING

c) Gold or silver ore is ground finely, then passed in solution over mercury plates. The mercury forms an alloy with the precious metal, then is boiled away as a gas, leaving a pure sponge of gold or silver.

Answer: AMALGAMATION
250

B18) Although the word privateer does not appear in the US Constitution, Article 1, Section 8 gives Congress the power to hire private ships and grant them special permission to capture and keep enemy ships in wartime. For 20 points, what are these commission called?

Answer: LETTERS OF MARQUE AND REPRISAL

This 1856 treaty banned privateering in Europe. The US did not sign, but gave up privateering also. The treaty's main purpose was to end the Crimean War. For ten points, name it.

Answer: Treaty of PARIS
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B19) Name these days of the Roman Catholic liturgical calendar for ten points apiece.

a) The day before Ash Wednesday, it is customary to go to confession. It ends the carnival season in southern Europe and corresponds to Mardi Gras.

Answer: SHROVE TUESDAY

b) Three days before Easter, this day-name comes from mandatum, Latin for "commandment". Some Catholics participate in foot-washing rites on this day.

Answer: MAUNDY THURSDAY

c) The seventh Sunday after Easter, this celebrates the descent of the Holy Spirit to strengthen the apostles. It has also been called Whitsunday. Originally it was fifty days after Passover.

Answer: PENTECOST

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B20) Write down these classes of real numbers: rational, algebraic, computable, all real numbers. For each of the following numbers, state which of the above is the smallest class to which it belongs. If it belongs to none of them, state so.

- a) zero Answer: RATIONAL
b) $\sqrt{-1}$ Answer: NONE
c) π Answer: COMPUTABLE
d) the length of the diagonal of a 2x2 square.
 Answer: ALGEBRAIC
e) the golden ratio Answer: ALGEBRAIC
f) Chaitin's omega Answer: ALL REALS

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B21) Given the area of artistic or intellectual accomplishment, name the Greek muse who oversees it for ten points apiece.

- a) History Answer: CLIO
b) Dance Answer: TERPSICHORE
c) Epic Poetry Answer: CALLIOPE

B22) In the Cooley Cattle Raid, the oldest epic poem of Western Europe, invaders from Ulster are after the prize bull of the Ulaid. Because all the Ulaid men are beset by labor pains, only one warrior is available to hold off the menacing Connachta. Of course, he does. For 25 points, name this Irish hero of the Tain Bo Cuilagne (toyn boh kyool-ee).

Answer: CU CHULAIND (Koo KULL-in)

B23) Identify the science fiction author or authors from works for 10 on the first clue or five on the second.

a) 10 point clue: Rendezvous with Rama, The Nine Billion Names of God

5 point clue: Childhood's End, 2001

Answer: Arthur C. CLARKE

b) 10: Rocannon's World, A Wizard of Earthsea

5: The Left Hand of Darkness

Answer: Ursula K. LEGUIN

c) 10: Inferno, the Gripping Hand

5: The Mote in God's Eye

Answer: Larry NIVEN and Jerry POURNELLE (prompt if only one is given)

B24) For five points apiece, name the first six chief justices of the US Supreme Court, in any order.

Answer: John JAY, John RUTLEDGE, Oliver ELLSWORTH, John

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MARSHALL, Roger TANEY, Salmon CHASE

B25) For ten points apiece, name the three languages found on the Rosetta stone.

Answer: GREEK, HIEROGLYPHICS (prompt on Egyptian), DEMOTIC